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Performance Evaluation of Kilmichael Lagoon

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Performance varied considerably by day and by season of the year. Using BOD_5 as a basis, secondary standards were met for the most part. However suspended solids and coliform bacteria were both consistently outside the specified range. Therefore, lagoon upgrading must address the removal of suspended solids.

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by

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FOREWORD

The Environmental Protection Agency was created because of increasing public and government concern about the dangers of pollution to the health and welfare of the American people. Noxious air, foul water, and spoiled land are tragic testimony to the deterioration of our natural environment. The complexity of that environment and the interplay between its components require a concentrated and integrated attack on the problem.

Research and development is that necessary first step in problem solution and it involves defining the problem, measuring its impact, and searching for solutions. The Municipal Environmental Research Laboratory develops new and improved technology and systems for the prevention, treatment, and management of wastewater and solid and hazardous waste pollutant discharges from municipal and community sources, for the preservation and treatment of public drinking water supplies, and to minimize the adverse economic, social, health, and aesthetic effects of pollution. This publication is one of the products of that research; a most vital communications link between the researcher and the user community.

This performance evaluation was prepared to make available to the sanitary engineering community pertinent information regarding the performance of a three-cell facultative wastewater lagoon system with multiple cells in series, and to determine the effectiveness of this system as a possible means for upgrading lagoons to meet secondary treatment requirements.

Francis T. Mayo, Director
Municipal Environmental Research
Laboratory

ABSTRACT

A three-cell facultative lagoon at Kilmichael, Mississippi, has been evaluated for performance in relation to design criteria and secondary treatment standards for municipal wastewater facilities throughout all seasons of the year. This report covers sampling equipment installation, biweekly sampling, intensive surveys during each season of the year and sample analyses.

Performance varied considerably by day and by season of the year. Using BOD_5 as a basis, secondary standards were met for the most part. However, suspended solids and coliform were both consistently outside the specified range. Therefore, lagoon upgrading must address the removal of suspended solids.

This report was submitted in fulfillment of Contract Number 68-03-2061 by the Civil Engineering Department of Mississippi State University under the sponsorship of the United States Environmental Protection Agency.

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SECTION 1

INTRODUCTION

For some years the United States has enjoyed an ever-increasing standard of living, shorter work hours, increased leisure time, greater demands for goods and services. To continue this successful economic growth toward higher goals will require making the best possible use of existing resources as well as the development of new ones as the "energy crisis" has demonstrated.

Recently, the deleterious effects of man's activities on the environment have been recognized and stringent laws have been passed and enforced for both air and water protection. The government has realized the importance of these resources and is trying to develop a protective system for the ecology of a level of sophistication able to keep pace with man's significant industrial increases and expanding population.

One of the problems which must be resolved is that of municipal wastewater treatment. Many small communities throughout the United States which could not afford to build or maintain conventional wastewater treatment facilities such as secondary treatment processes were able to install and utilize water stabilization ponds (or lagoons). At present, there are more than 4,000 publicly-owned water stabilization ponds in the United States. Of these, approximately 200 are in the State of Mississippi.

Until recently, these ponds were accepted to satisfy essential wastewater treatment requirements. However, the growing public awareness of the pollutional aspects of partially treated wastewaters combined with the desire to preserve the natural values of streams for fish, wild-life, recreation, water supply and for general aesthetic consideration resulted in the passage of the Federal Water Pollution Control Act Amendments of 1972. Under this act, and by July, 1977, all publicly-owned treatment facilities must meet effluent limitations based on secondary treatment as defined by the Environmental Protection Agency Administrator (see the Federal Register, Vol. 38, No. 159, Part II, pp. 22298-22299, August 17, 1973). There are indications that waste treatment lagoons may not meet the secondary treatment requirements.

At the outset, data to determine this was sketchy. Therefore, it was necessary to undertake a study to determine how effectively a well-designed waste treatment lagoon operates throughout all seasons of the year, whether as presently designed and operated it can meet the 1977 Standards, what improvements and upgrading may be needed in design and operation of lagoons.

The purpose of this study was to generate reliable performance data on a continuously operated waste stabilization pond to assess its performance in accordance with design criteria and government regulations on water pollution standards. Specifically, the objectives are as follows:

(1) obtain reliable year-round performance data on an existing small (less than 5000 population) municipal wastewater lagoon with multiple cells in series,

(2) evaluate the effectiveness of this lagoon to perform in accordance with design criteria,

(3) determine the effectiveness of multiple cells as a possible means for upgrading lagoons.

Editorial Note

The definitions of secondary treatment for federal regulation of municipal wastewater treatment plant effluents has been or is being modified. The Federal Register Vol. 41, No. 144, Monday, July 26, 1976, pp. 30786-30789, contains amendments pertaining to effluent values for pH and deletion of fecal coliform bacteria limitations from the definition of secondary treatment. The Federal Register Vol. 41, No. 172, Thursday, September 2, 1976, contains proposed changes in the suspended solids requirements for small municipal lagoon systems serving as the sole process for secondary treatment of wastewaters.

SECTION II

CONCLUSIONS

The Kilmichael lagoon system was designed to treat a hydraulic flow of 681,300 liters (180,000 gallons) per day and an organic load of 136 kilograms (300 pounds) of BOD per day. Removal efficiency of BOD_5 was estimated to be 85% removal. It should be noted, however, that with the exception of periods of heavy rainfall and flash flood conditions, the hydraulic loading was much less than design, i.e., less than 50%. Organic loading was also less than design. Monthly BOD loadings are shown in Figure 1. It can be noted that organic loading is 40-50% of design.

Performance of the Kilmichael lagoon varied considerably by day and by season of the year. As a result of these variations, performance did not consistently meet secondary standards. Total BOD_5 was generally less than 30 mg/ℓ and for the most part met secondary standards. Soluble BOD_5 was consistently less than 10 mg/ℓ. Suspended solids were consistently outside secondary limits and contributed the major portion of the total BOD_5. In addition, the suspended solids (algal cells) were responsible for the daily and seasonal performance variations. Therefore, if an effective algal removal technique could be developed, lagoon performance would be expected to be excellent as well as consistent.

Fecal coliform determinations of the effluent were consistently higher than an MPN of 200/100 ml. Therefore, an appropriate disinfection procedure would be needed if there were a need to protect the receiving water.

Multiple cells in the lagoon system did not significantly improve performance with the exception of coliform count. This is believed to be due to several reasons. First of all, the system was loaded to less than 50% of capacity and provided adequate detention time for settling and removal of the soluble BOD_5. Secondly, the unicellular algae (Chlorella and Chlorococcum), characteristic of the deep South, contributed the major portion of the BOD_5. Since the algal species do not float or settle but remain suspended, additional ponds have little effect on performance.

A portion of the sampling schedule for this project included one period in each season when 24-hour composite samples were collected for 30 consecutive days. On this basis, BOD and suspended solids removals were substantially better in the spring and fall than in the summer and winter. The spring and fall effluent BOD_5 and suspended solids concentrations were within the limitations of secondary treatment as defined by the Environmental Protection Agency. That definition (as initially published in the Federal Register, Vol. 38, No. 159, Part II, pp. 22298-22299, August 17, 1973) is 30 mg/ℓ for both effluent BOD_5 and suspended solids, or 85 percent removals, whichever results in the lower effluent residuals when averaged over a 30-day sampling period.

The 30-day averages for the summer sampling period exceeded the secondary treatment limitations for both parameters. In the 30-day winter sampling period, the average effluent BOD_5 was less than 30 mg/ℓ but did not meet the 85 percent removal criterion. The winter effluent suspended solids value did not meet either criterion. Geometric mean effluent fecal coliform counts (MPN basis) were less than the 200/100 ml secondary treatment definition in the spring and summer 30-day sampling periods but greatly in excess of this level in the fall and winter. The 30-day average concentrations for BOD_5 and suspended solids and 30-day geometric mean MPN's for fecal coliforms are summarized below for each season. Data are given for the four sampling locations: influent, Pond 1 effluent, Pond 2 effluent, and Pond 3 effluent.

	Influent	Pond 1	Pond 2	Pond 3
BOD_5 mg/l				
Winter	107	21	24	19
Spring	187	16	6	7
Summer	282	26	20	33
Fall	247	16	11	10
Suspended solids mg/l				
Winter	159	86	94	89
Spring	202	68	16	25
Summer	351	47	33	52
Fall	280	33	23	23
Fecal coliform bacterial MPN/100 ml (Geometric mean)				
Winter	9,660,507	169,473	21,861	13,526
Spring	12,426,050	22,922	278	151
Summer	52,391,420	8,966	137	119
Fall	44,277,210	96,891	6,696	1,104

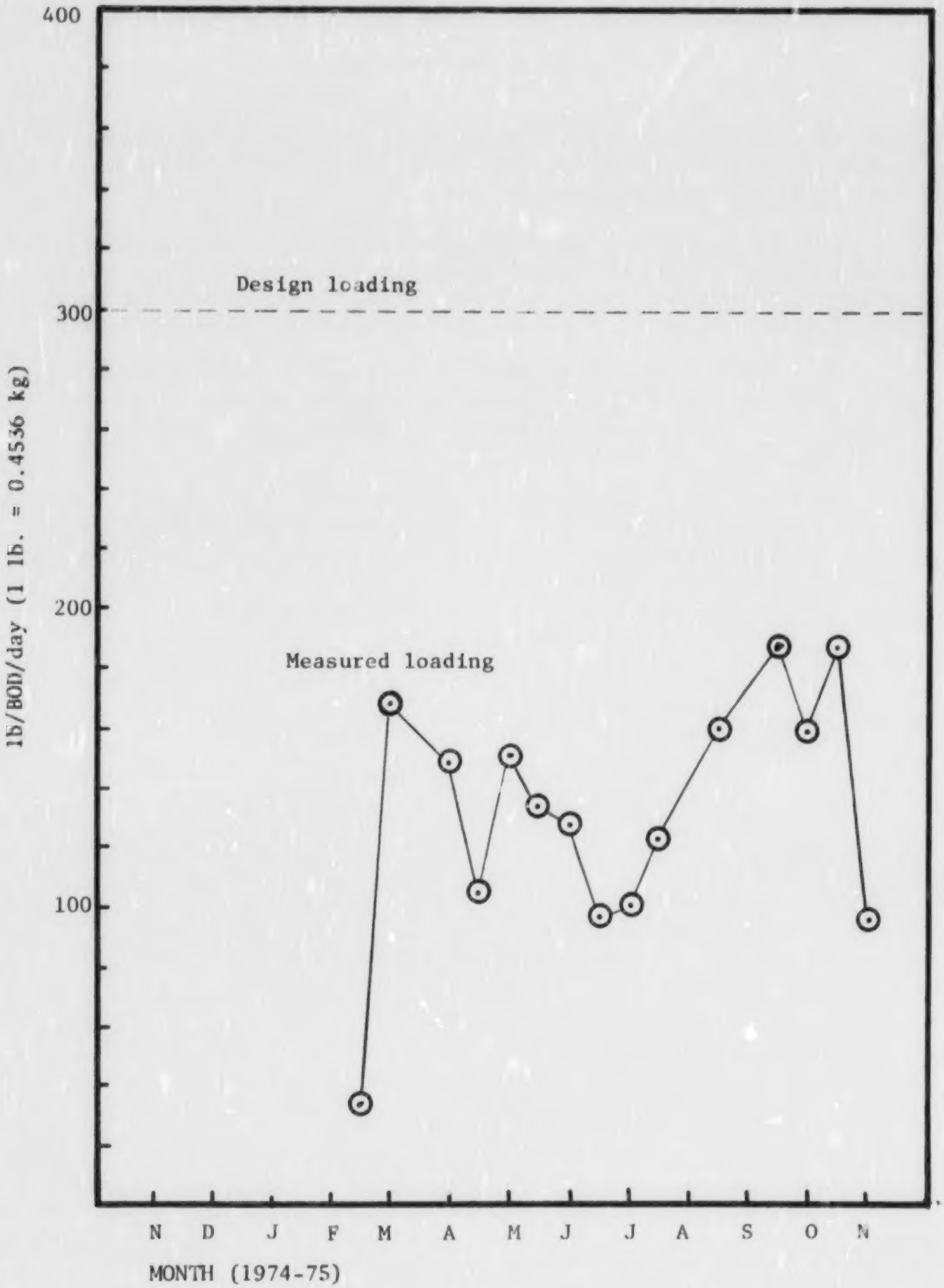

Figure 1. Organic loading of lagoon system

SECTION III

RECOMMENDATIONS

As a result of the performance evaluation of the Kilmichael lagoon system, several items are evident which warrant further consideration. These are as follows:

(1) The periodic disappearance of algae from the Kilmichael lagoon should be closely scrutinized. Predominant flora and fauna should be identified during periods of heavy algal growth and periods during which the algae disappear to ellucidate possible predation.

(2) Since lagoon performance is dictated by the suspended solids content, much work is needed to identify and test plausible schemes for suspended solids removal in view of cost constraints of small towns.

(3) The effect of lagoon discharges on small streams is not well documented in the literature. A comprehensive study is needed that would examine the water quality aspects as well as the biological impact on receiving streams.

SECTION IV

STUDY SITE

The lagoon used in this study consisted of a three-cell stabilization pond located at Kilmichael, Mississippi. Kilmichael is a small rural town located approximately fifty miles west of Mississippi State University. The present population of Kilmichael is about 1,570. Most of the people are employed by industries in neighboring towns, self-employed as farmers, or retired. There are no industries located in Kilmichael so the waste is purely domestic.

There were several reasons for choosing Kilmichael as the site for this study. First of all, this lagoon is a three-cell system and is one of the few in the area. Since multiple cells have been suggested as a possible means for upgrading lagoons, this system permitted evaluation under climatic conditions characteristic of the deep south. Secondly, the town was small with a population less than 5,000. Thirdly, this lagoon is relatively new and infiltration appeared to be considerably less than many lagoons in the state.

Lagoon Description

Kilmichael Lagoon, as noted earlier, is a three-cell facultative system operated in series. Layout of the system is shown in Figure 2. Pond 1 contains 2.10 hectares (5.2 acres), Pond 2 has .85 hectares (2.1 acres), and Pond 3 has .34 hectares (.83 acres) of surface area. The water depth in each cell is approximately 2 meters (6 feet).

Inlets and outlets at the lagoon were placed such that the raw waste is pumped into the center of the first cell. There are two .3 meter (12 inch) metal culverts designed for subsurface drawoff carrying the flow from the first cell to the second. There is a single 0.3 meter (12 inch) metal culvert carrying the flow from the second to the third cell. The effluent structure consists of an adjustable weir which provides surface outflow from the third cell and is then routed to a manhole equipped with a V-notch weir. This weir (V-notch) was used for measuring flow.

Design Rationale

Peak flows are based on an average usage of 1136 liters (300 gallons) per capita over a 16 hour day. An average daily sewer flow of 76 liters (20 gallons) per day per student, 374 liters (10 gallons) per day per industrial employee and 946 liters (250 gallons) per day per hospital bed was used. Based on these assumptions, an average discharge of 8 liters per second (127 gallons per minute) would occur.

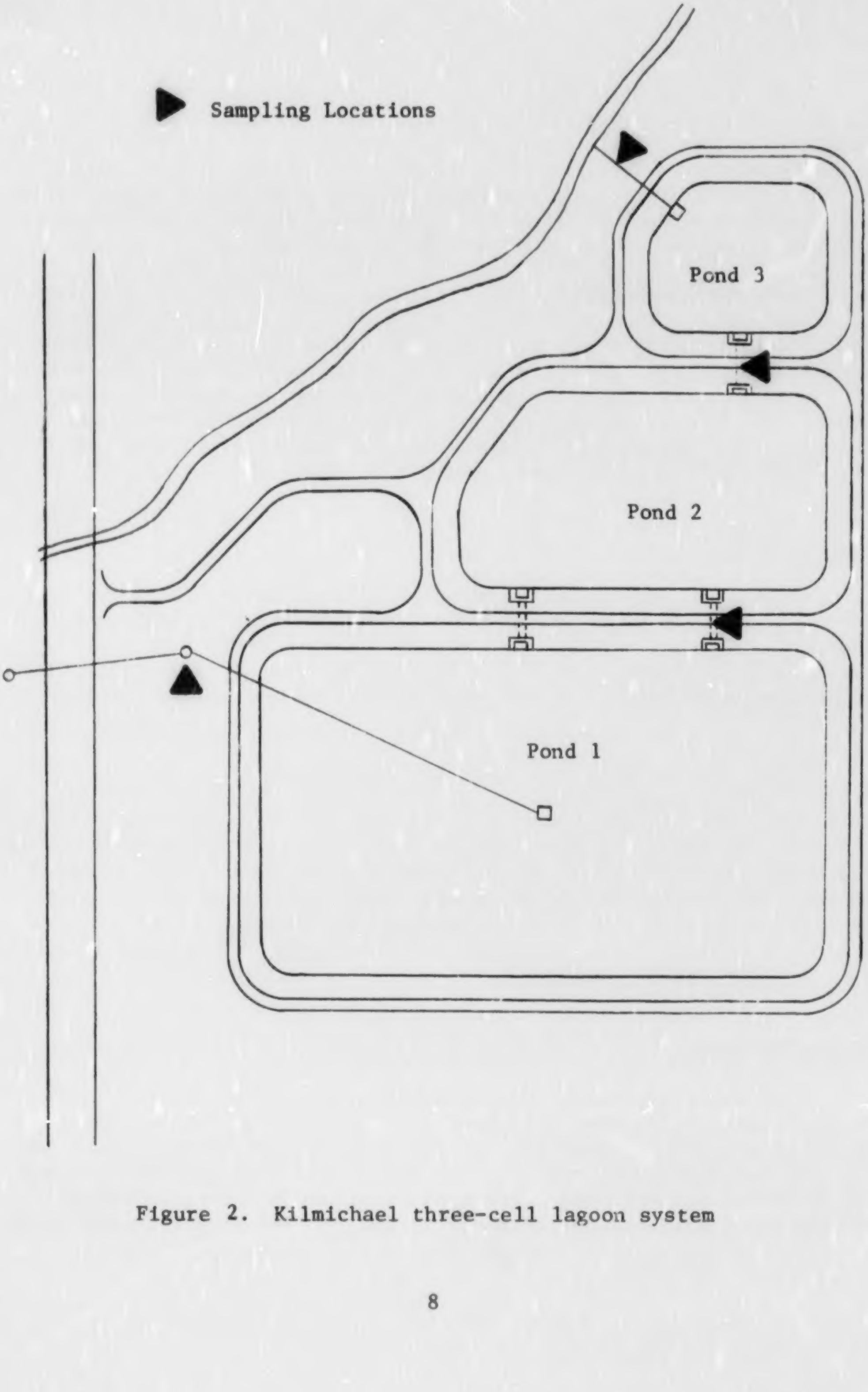
Sampling Locations
Pond 3
Pond 2
Pond 1

Figure 2. Kilmichael three-cell lagoon system

(1) Areal Loading

Lagoon cells were sized using the following design criteria:

(a) The first cell (2.10 hectares or 5.2 acres) will be loaded at 27.2 kilograms (60 pounds of BOD per acre of water surface).

(b) The surface area of the second cell will be 40% of the first cell (.85 hectares or 2.1 acres).

(c) The surface area of the third cell will be 16% of the first cell (.34 hectares or .83 acres).

Based on a projected population of 1,825 in the year 2005 and a loading of .077 kilograms (.17 pounds) of BOD per capita, the Town of Kilmichael will exert a load of 140.8 kilograms (310.3 pounds) per day on the lagoon.

(2) Detention Time

Cell No. 1 -- 52 days
Cell No. 2 -- 20 days
Cell No. 3 -- 7 days

(3) Organic Loading

0.077 kilograms (0.17 pounds) BOD/PE * 1825PE = 140.8 kilograms (310.3 pounds)/day

(4) Hydraulic Loading

1825 PE * 379 liters (100 gallons)/PE/day = 690,700 liters (182,500 gallons)/day

(5) Anticipated Removal Efficiency

85% BOD removal

SECTION V

SAMPLING

Sampling locations are shown in Figure 2. Influent samples were taken on a flow proportional basis from the weir box in the wet well. Twenty-four hour composites were taken for all analyses with the exception of coliform which consisted of a "grab" sample.

As a result of the rather low elevation of the weir box, the Sigma motor sampler was incapable of sampling without assistance. A small recirculation pump was installed to circulate a portion of the influent from the weir box to approximately four feet above the ground level. Since no provisions were made for a bar screen or comminutor to remove or grind large floating or suspended debris, it was necessary to clean the pump on a daily basis. Difficulty with pump clogging was alleviated by installing pertinent electronics to turn the pump on approximately 60 seconds before sampling and then turning the pump off after sampling.

Interior sampling locations (Effluents of Pond 1 and 2) were also sampled with Sigma motor samplers. However, due to the unavailability of flow measurements, composites were made on a time basis rather than proportional to flow.

Pond 3 effluent samples were taken from the weir structure located in the effluent manhole. Samples were taken with Sigma motor samples in conjunction with Manning dipper flow meters. Therefore, these samples were taken proportional to flow.

Sampling Schedule

The monitoring program was initiated November 4, 1974, and was terminated November 4, 1975. Samples were collected two times each week and were staggered such that each day of the week was represented, including Saturdays and Sundays. When equipment failure occurred, additional sampling was undertaken immediately following equipment repair. In addition to the bi-weekly program, an intensive survey was made during each season of the year. Samples were taken daily over a period of thirty consecutive days for each of the intensive sampling periods. This schedule is shown in Table I.

Sample Analysis

Parameters measured during the course of this study are shown in Table II. It should be noted that some of the analyses were performed by the Environmental Protection Agency's Advanced Waste Treatment Research Laboratory. These tests included chemical oxygen demand, phosphorus, and the nitrogen series. Samples were appropriately preserved prior to shipment to Cincinnati. Temperature and dissolved oxygen were both taken in-situ with the use of a YSI dissolved oxygen meter and remaining analyses were performed in the Sanitary Laboratory of the Department of Civil Engineering at Mississippi State University.

The biochemical oxygen demand (BOD) also was determined with the aid of the YSI meter using a probe especially designed to fit BOD bottles. Both total and soluble BODs were determined on samples from each location on each sampling date. Soluble BOD values were determined from samples filtered through Reeve Angel 934 AH glass fiber filters. In addition to the five day BODs, twenty and thirty day BODs were determined periodically. Thirty day BODs were run on each sampling day during the months of November and December; periodically on specified days during January, February, March, July and October. This information was obtained such that a correlation between five day BOD and thirty day BOD could be made and thus the applicability of the five day BOD test could be assessed with regard to lagoon effluents.

Algae cell counts were made using a microscope and a Sedwick-Rafter cell. The Field Counting technique was employed in making these counts.

Total coliforms were determined using the multiple tube fermentation technique and reported as MPN/100 ml. Lactose broth and incubation at 35°C were utilized to enrich the coliform population. This was followed by a transfer to E. C. medium and incubation at 44.5°C for 24 hours.

Weather data which included rainfall and maximum and minimum air temperature were obtained from the climatological data collected by the United States Department of Commerce. This information was collected for each day during the twelve month study period.

TABLE I

Sampling Schedule

	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct
Equip. Installation	*	*	*												
Bi-weekly Sampling				*	*		*	*		*	*		*	*	
Intensive Sampling						*			*			*			*

TABLE II

Sampling and Analytical Guide for Kilmichael Lagoon

Parameter	Influent of Lagoon	Effluent Pond 1 Between Cell 1&2	Effluent Pond 2 Between Cell 2&3	Effluent Pond 3 Effluent of Lagoon	Analysis by
Wastewater Flow					
Daily Total	*			*	MSU
Min & Peak	*			*	
pH	*	*	*	*	
Wastewater Temperature	*	*	*	*	
Dissolved Oxygen	*	*	*	*	
Alkalinity	*	*	*	*	
Total BOD[1]	*	*	*	*	
Soluble BOD[1]	*	*	*	*	
Suspended Solids	*	*	*	*	
Algae Count by Microscope		*	*	*	
Fecal Coliform	*	*	*	*	
Total COD	*	*	*	*	EPA
Soluble COD	*	*	*	*	
Total P	*	*	*	*	
TKN	*	*	*	*	
NH_3-N	*	*	*	*	
NO_2-N	*	*	*	*	
NO_3-N	*	*	*	*	

[1] Nitrification inhibited

SECTION VI

DISCUSSION

Data

Data taken during the course of this study were averaged on a monthly basis and are presented in Appendix A. Daily data were stored in MSU's Univac 1106 computer and are presented in tabular form in Appendix B. These data were plotted on a daily basis and are shown in Appendix C. Monthly data plots are found throughout the discussion section.

It should be noted that in cases where observations were not made for a particular parameter, the computer listing will show a 999.00. For the most part, these unobserved values appear in the flow data.

Hydraulic Flow

The measurement of flows through the lagoon system proved to be somewhat more of a problem than had been anticipated at the outset. This was due to the physical configuration of the influent wet well, occasionally high water levels in the creek at the point of discharge, and severe problems with malfunctioning equipment, and acts of nature.

Influent flow was measured as it entered the wet well of the lift station. The point of entry was approximately twenty-five feet below ground level and was flush with the concrete sloping side wall of the wet well. Since no flow measuring device was provided in the original installation, a weir box with a 45° V-notch weir was constructed such that it could be suspended by chain from the wet well superstructure. Due to the physical limitations of the opening to the wet well, the length of the weir box was somewhat less than desired. However, performance appeared to be adequate as flows determined from weir heights checked within 20% of that predicted by the pumping curves.

Effluent flows were measured in a weir system provided at installation with the exception of the plate proper. The capacity was limited using the existing plate and, was therefore replaced such that flows over a broader range could be measured. During periods of heavy rainfall, the creek would flood and surcharge the effluent structure making flow measurement impossible.

Flows or water levels in the weirs were initially measured (attempted) with a bubbler-type flowmeter. Due to persistent problems with mechanical and electrical components, these instruments were returned to the manufacturer and replaced with Manning dipper flowmeters (28 Feb. 75). Data obtained with the bubbler instrument were discarded due to the poor quality and unreliability.

Lightening damaged the Manning flow meters during a thunderstorm in late summer. Two replacement meters were made available by Manning on a loan basis while repairs were being made.

Data for total, peak, and minimum flow are shown as monthly averages in Figures 3, 4, and 5.

Organics

Two parameters were used to characterize the carbonaceous content of the lagoon system, i.e., biochemical oxygen demand and chemical oxygen demand. Monthly averages of this information are shown in Figures 6 through 9 for both the total and soluble portions. For the most part, total five day BOD's were less than 30 mg/ℓ and were at a maximum during July and August. Averages ranged from a low of 5 mg/ℓ to a maximum of 46 mg/ℓ. Comparing total with soluble BOD, it can be seen that the latter did not fluctuate significantly and was consistently less than 10 mg/ℓ.

A total of twenty-two observations were made for thirty day BODs and fourteen for twenty day BODs, both total and soluble for each sampling location. These data are shown in Tables III through X. Corresponding five day BODs are shown also for comparison along with ratios of thirty day to five day and twenty day to five day BODs. The thirty day ratio ranged as high as nine times the five day BOD but was characteristically within the range of 2.5 to 5.0.

The chemical oxygen demand tended to show similar trends to the total BODs with peaks during March and July-August. The median total COD for Ponds 1, 2, and 3 appears to be approximately 100 mg/ℓ with fluctuations of 60 - 70 mg/ℓ on either side. The median soluble COD was approximately 55 mg/ℓ for Ponds 1, 2, and 3 with fluctuations in the range of 30 mg/ℓ on either side.

Several items should be noted from these plots. Both the BOD and COD data dramatically indicate there is very little difference in effluent quality resulting from additional ponds. This observation is precisely consistent with previous work on a lagoon in Jackson, Mississippi. Also, the BOD data indicate that any upgrading technique must address the removal of suspended solids.

Nutrients

Phosphorus, total Kjeldohl nitrogen, ammonia, nitrite, and nitrate-N data are shown in Figures 10 through 14 as monthly averages for each sampling location. Significant reductions in total P, TKN, and Ammonia -N were noted particularly during the summer months. However, only minimal improvements resulted from having additional ponds.

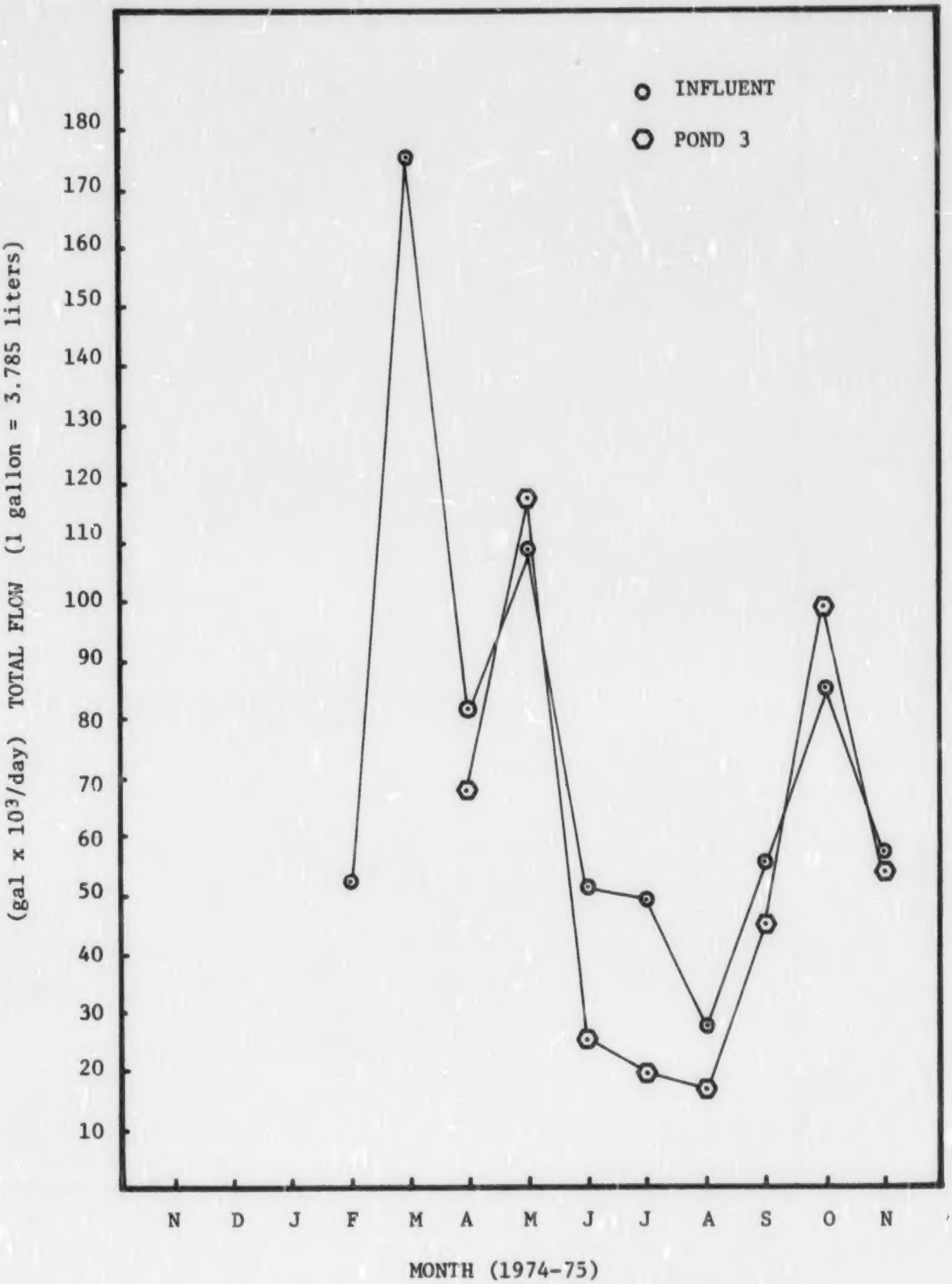

Figure 3. Monthly Average Flow - Total

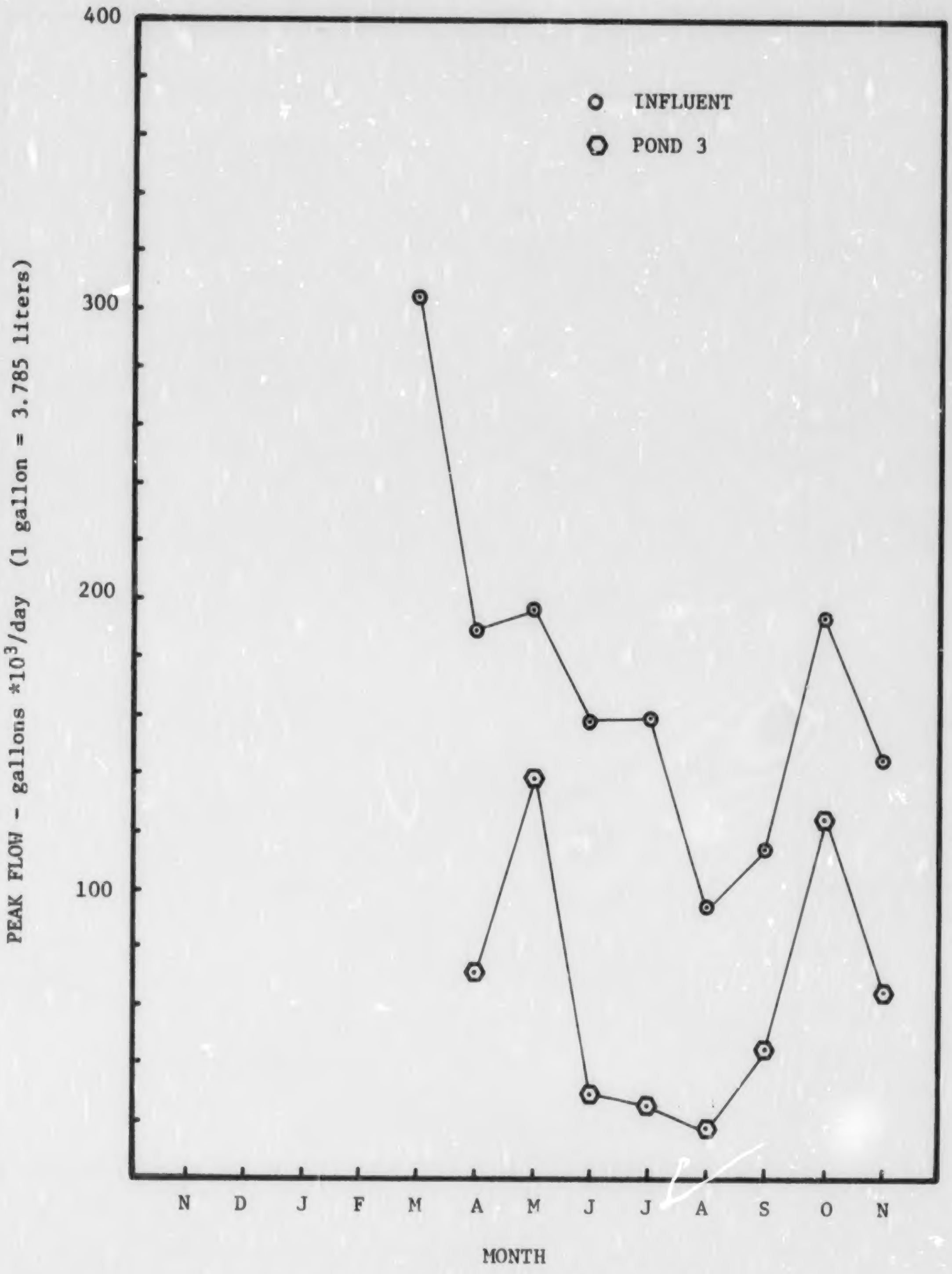

Figure 4. Monthly average flow-peak

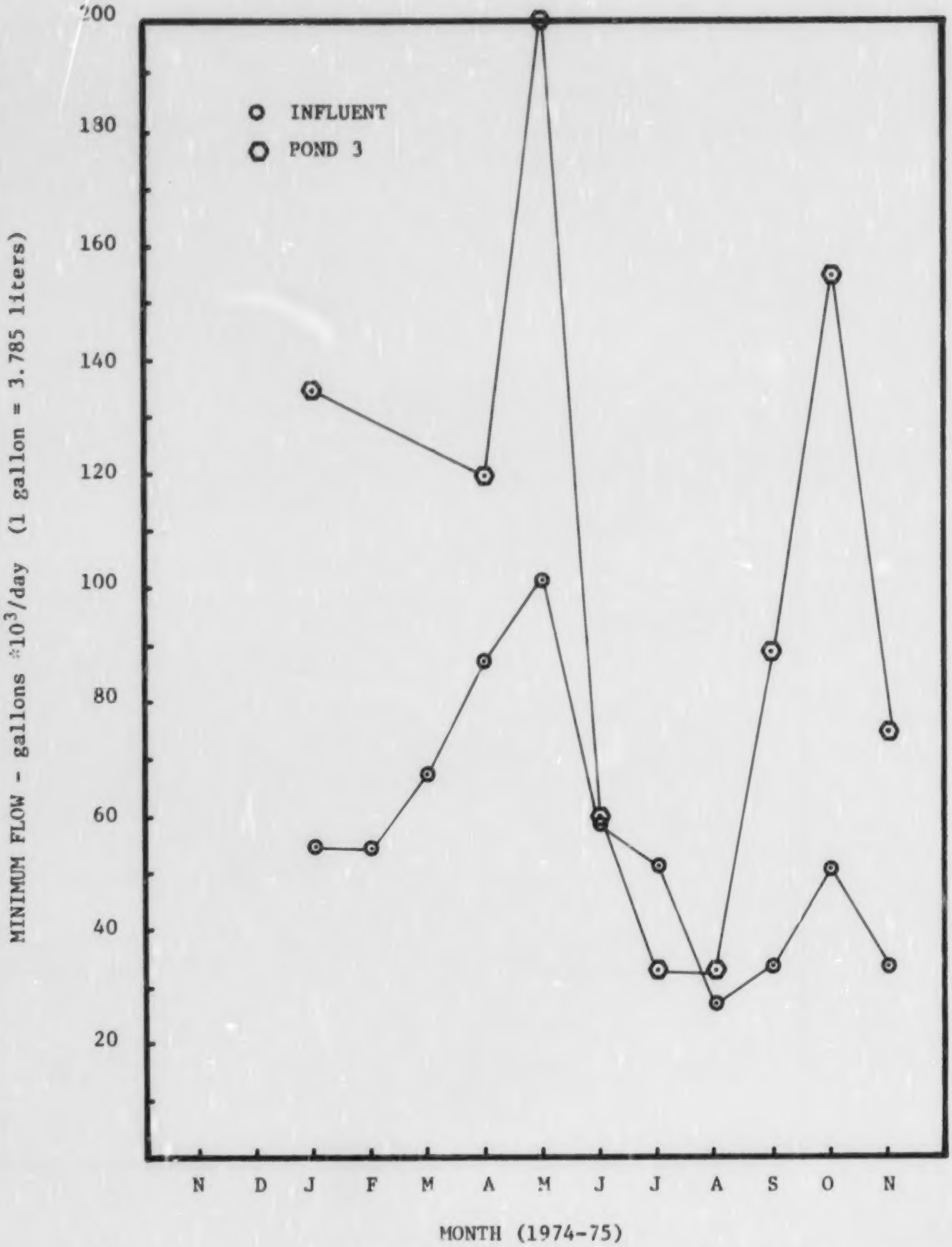

Figure 5. Monthly average flow-minimum

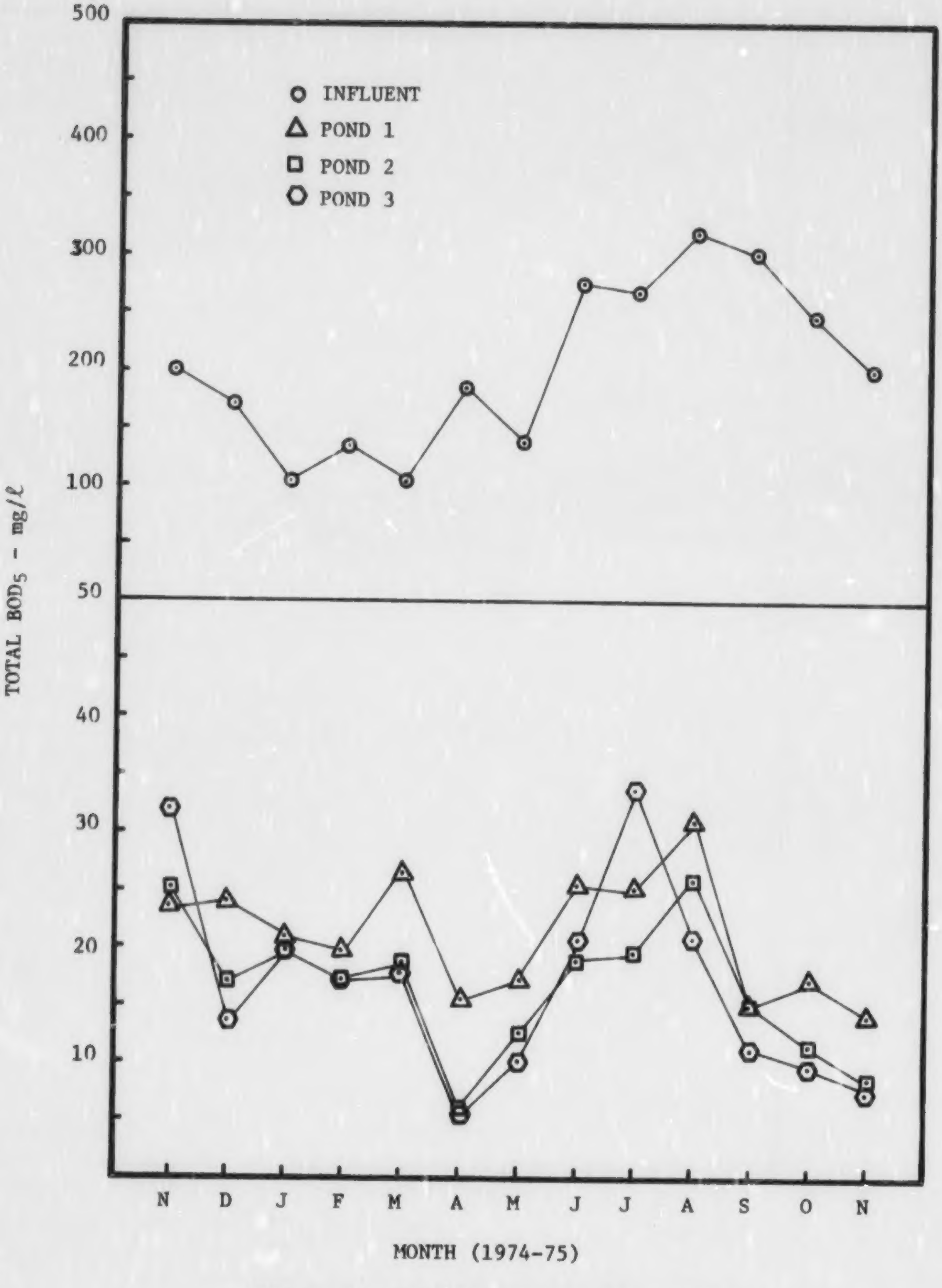

Figure 6. Monthly average BOD$_5$ - total

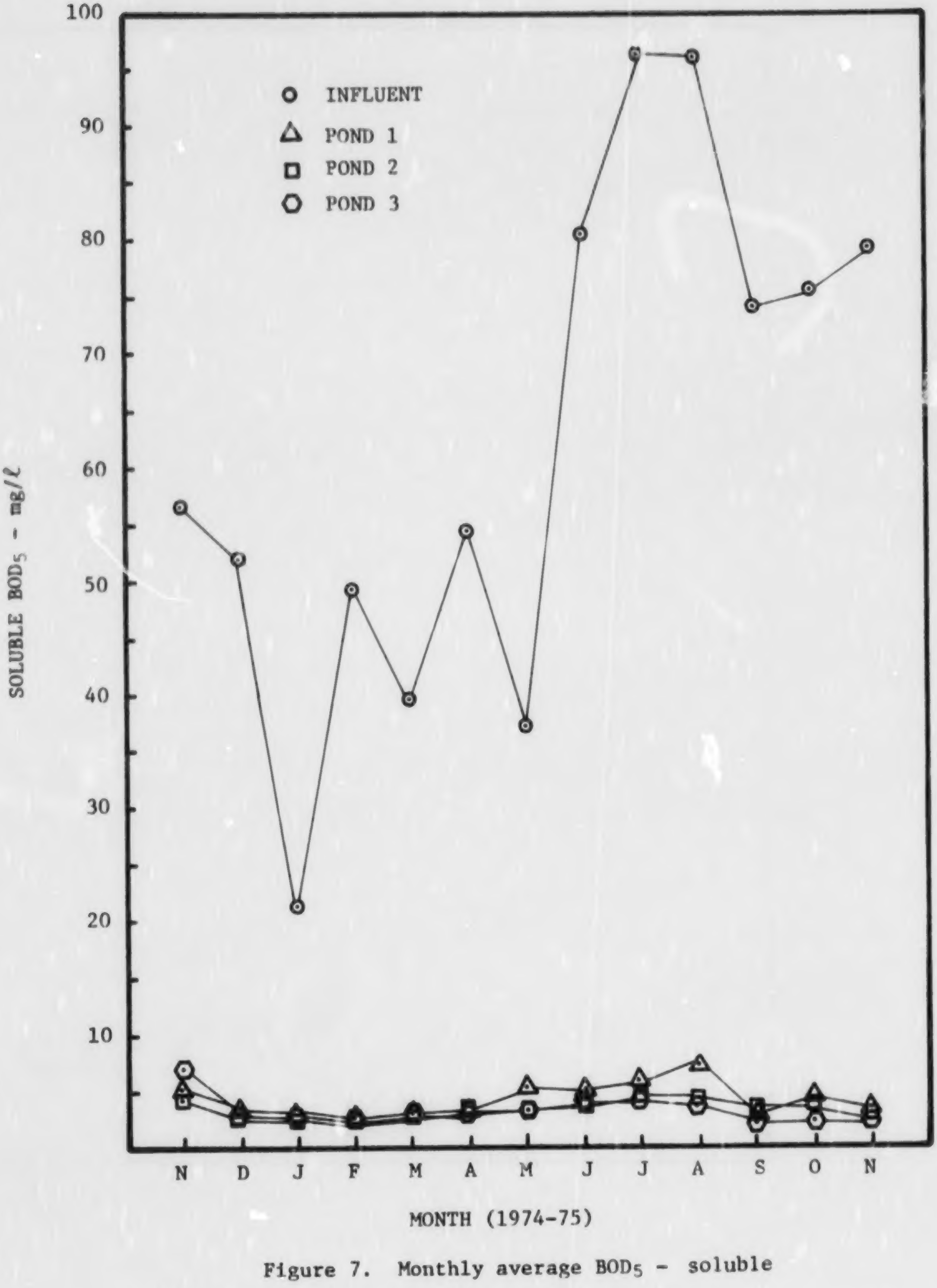

Figure 7. Monthly average BOD_5 - soluble

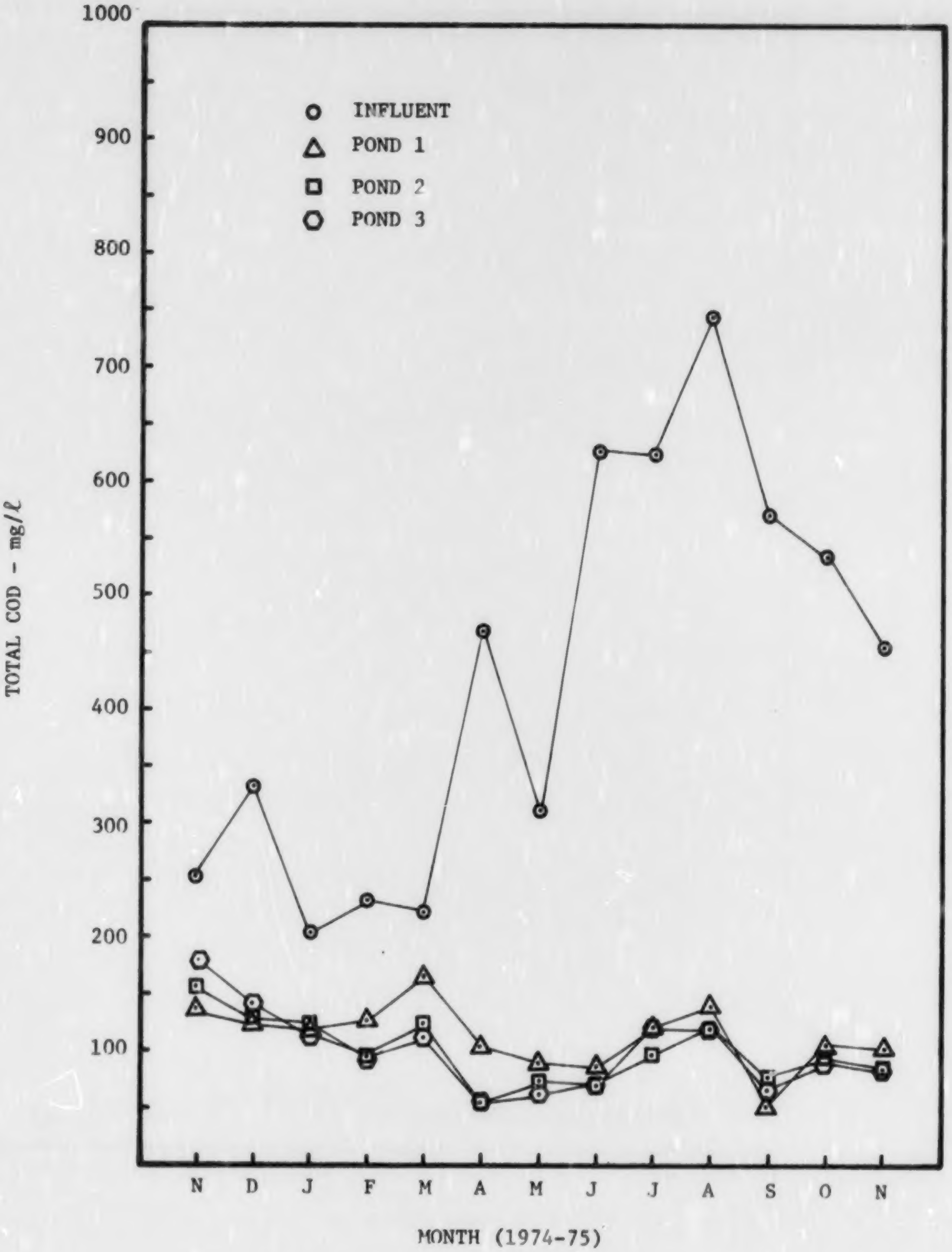

Figure 8. Monthly average COD - total

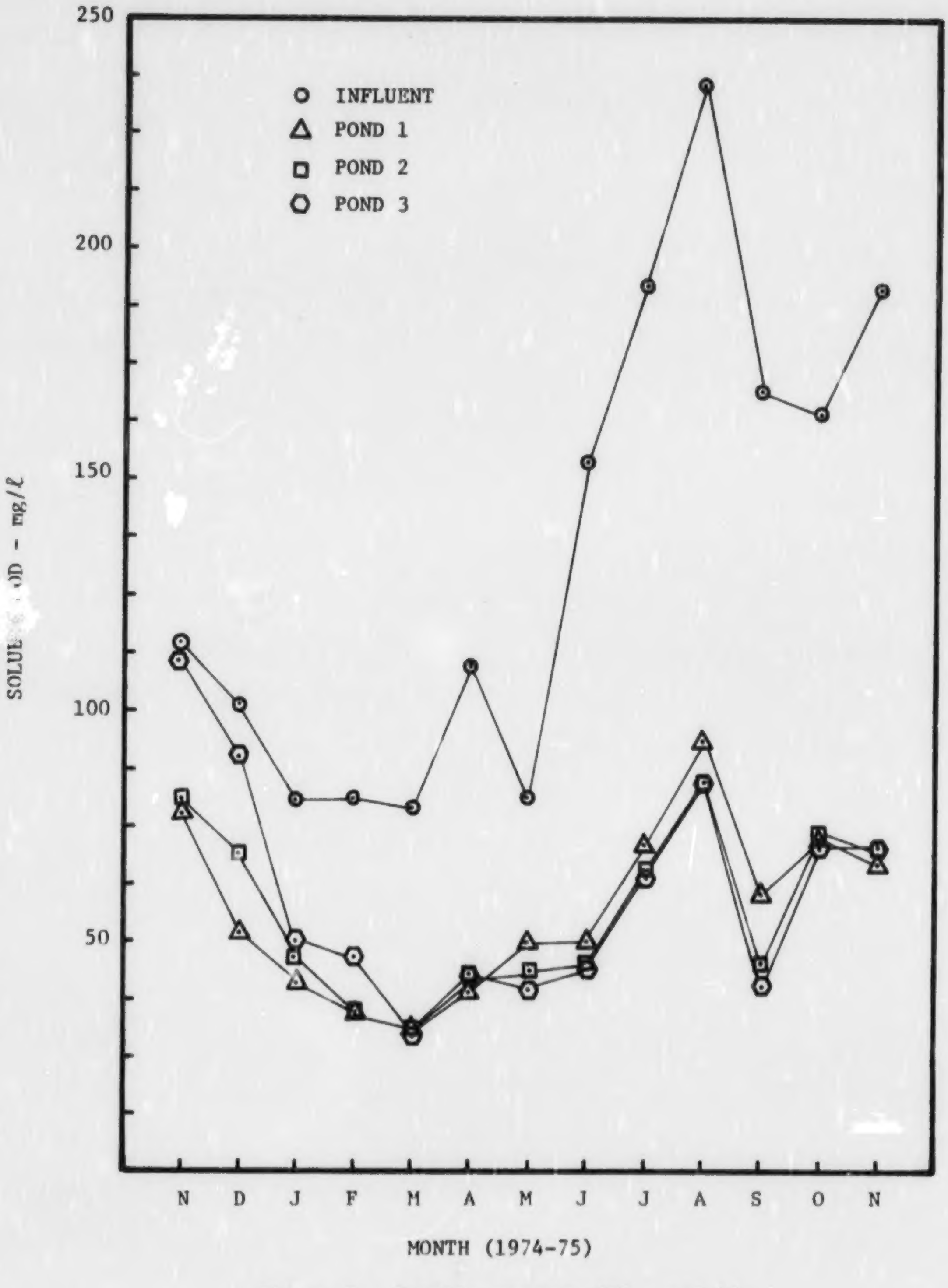

Figure 9. Monthly average COD - soluble

TABLE III

Influent BOD - Total mg/l

Date	BOD_5	BOD_{20}	BOD_{30}	Ratio 20/5	Ratio 30/5
7 Nov. 74	148	207	226	1.40	1.53
10 Nov. 74	147	218	232	1.48	1.58
20 Nov. 74	200	284	300	1.42	1.50
25 Nov. 74	301	400	439	1.33	1.46
2 Dec. 74	176	240	273	1.36	1.55
7 Dec. 74	354	711	754	2.01	2.13
11 Dec. 74	160	260	309	1.62	1.93
14 Dec. 74	135	243	269	1.80	1.99
15 Dec. 74	285	544	544	1.91	1.91
27 Jan. 75	79	160	162	2.02	2.05
6 Feb. 75	38	84	106	2.21	2.79
10 Feb. 75	333	468	528	1.41	1.58
28 Feb. 75	79	171	195	2.16	2.47
1 Mar. 75	104	240	273	2.31	2.62
7 Jul. 75	351	-	525	-	1.49
8 Jul. 75	203	-	415	-	2.04
9 Jul. 75	284	-	486	-	1.71
27 Oct. 75	219	-	435	-	1.99
28 Oct. 75	288	-	585	-	2.03
29 Oct. 75	176	-	286	-	1.62
30 Oct. 75	173	-	306	-	1.77
31 Oct. 75	264	-	490	-	1.86

TABLE IV

Influent BOD - Soluble mg/l

Date	BOD_5	BOD_{20}	BOD_{30}	Ratio 20/5	Ratio 30/5
7 Nov. 74	71	88	97	1.24	1.37
10 Nov. 74	26	46	51	1.77	1.96
20 Nov. 74	39	62	72	1.59	1.85
25 Nov. 74	65	88	108	1.35	1.66
2 Dec. 74	61	75	82	1.23	1.34
7 Dec. 74	21	41	48	1.95	2.28
11 Dec. 74	70	98	112	1.40	1.60
14 Dec. 74	48	78	86	1.62	1.79
15 Dec. 74	38	62	62	1.63	1.63
27 Jan. 75	24	45	47	1.88	1.96
6 Feb. 75	13	25	29	1.92	1.16
10 Feb. 75	120	-	-	-	-
28 Feb. 75	27	50	57	1.85	2.11
1 Mar. 75	43	70	77	1.63	1.79
7 Jul. 75	113	-	179	-	1.58
8 Jul. 75	98	-	153	-	1.56
9 Jul. 75	114	-	192	-	1.68
27 Oct. 75	44	-	82	-	1.86
28 Oct. 75	53	-	87	-	1.64
29 Oct. 75	58	-	99	-	1.71
30 Oct. 75	60	-	103	-	1.72
31 Oct. 75	83	-	136	-	1.64

TABLE V

Pond 1 BOD - Total mg/l

Date	BOD_5	BOD_{20}	BOD_{30}	Ratio 20/5	Ratio 30/5
7 Nov. 74	22	45	50	2.04	2.27
10 Nov. 74	25	52	65	2.08	2.60
20 Nov. 74	27	65	76	2.41	2.81
25 Nov. 74	22	44	59	2.00	2.68
2 Dec. 74	21	42	51	2.00	2.43
7 Dec. 74	25	56	70	2.24	2.80
11 Dec. 74	25	59	70	2.36	2.80
14 Dec. 74	26	50	59	1.92	2.27
15 Dec. 74	29	58	62	2.00	2.14
27 Jan. 75	18	42	51	2.33	2.83
6 Feb. 75	16	33	45	2.06	2.81
10 Feb. 75	23	58	75	2.52	3.26
28 Feb. 75	19	54	65	2.84	3.42
1 Mar. 75	26	75	87	2.88	3.35
7 Jul. 75	21	-	55	-	2.62
8 Jul. 75	34	-	73	-	2.15
9 Jul. 75	28	-	72	-	2.57
27 Oct. 75	15	-	35	-	2.33
28 Oct. 75	16	-	38	-	2.38
29 Oct. 75	21	-	46	-	2.19
30 Oct. 75	20	-	44	-	2.20
31 Oct. 75	18	-	40	-	2.22

TABLE VI

Pond 1 BOD - Soluble mg/l

Date	BOD_5	BOD_{20}	BOD_{30}	Ratio 20/5	Ratio 30/5
7 Nov. 74	5	17	21	3.40	4.20
10 Nov. 74	5	12	17	2.40	3.40
20 Nov. 74	4	11	15	2.75	3.75
25 Nov. 74	5	11	16	2.20	3.20
2 Dec. 74	3	7	12	2.33	4.00
7 Dec. 74	4	11	16	2.75	4.00
11 Dec. 74	4	12	16	3.00	4.00
14 Dec. 74	3	8	10	2.67	3.33
15 Dec. 74	5	14	16	2.80	3.20
27 Jan. 75	2	5	7	2.50	3.50
6 Feb. 75	2	4	8	2.00	4.00
10 Feb. 75	3	7	9	2.33	3.00
28 Feb. 75	2	4	6	2.00	3.00
1 Mar. 75	2	8	9	4.00	4.50
7 Jul. 75	5	-	18	-	3.60
8 Jul. 75	8	-	24	-	3.00
9 Jul. 75	6	-	22	-	3.67
27 Oct. 75	3	-	12	-	4.00
28 Oct. 75	3	-	10	-	3.33
29 Oct. 75	4	-	11	-	2.75
30 Oct. 75	6	-	15	-	2.50
31 Oct. 75	5	-	13	-	2.60

TABLE VII

Pond 2 BOD - Total mg/l

Date	BOD_5	BOD_{20}	BOD_{30}	Ratio 20/5	Ratio 30/5
7 Nov. 74	32	61	73	1.90	2.28
10 Nov. 74	22	42	49	1.91	2.23
20 Nov. 74	23	43	50	1.87	2.17
25 Nov. 74	26	46	61	1.77	2.35
2 Dec. 74	18	31	42	1.72	2.33
7 Dec. 74	20	48	66	2.40	3.30
11 Dec. 74	17	40	51	2.35	3.00
14 Dec. 74	17	35	46	2.06	2.70
15 Dec. 74	18	50	57	2.78	3.17
27 Jan. 75	17	44	48	2.59	2.82
6 Feb. 75	14	37	45	2.64	3.21
10 Feb. 75	21	44	54	2.09	2.57
28 Feb. 75	14	35	46	2.50	3.28
1 Mar. 75	20	50	58	2.50	2.90
7 Jul. 75	26	-	60	-	2.31
8 Jul. 75	32	-	65	-	2.03
9 Jul. 75	17	-	46	-	2.70
27 Oct. 75	8	-	23	-	2.88
28 Oct. 75	8	-	22	-	2.75
29 Oct. 75	8	-	21	-	2.62
30 Oct. 75	8	-	20	-	2.50
31 Oct. 75	9	-	20	-	2.22

TABLE VIII

Pond 2 BOD - Soluble mg/l

Date	BOD_5	BOD_{20}	BOD_{30}	Ratio 20/5	Ratio 30/5
7 Nov. 74	4	11	15	2.75	3.75
10 Nov. 74	3	6	9	2.00	3.00
20 Nov. 74	4	8	13	2.00	3.25
25 Nov. 74	5	8	15	1.60	3.00
2 Dec. 74	3	10	15	3.33	5.00
7 Dec. 74	2	9	12	4.50	6.00
11 Dec. 74	3	8	14	2.67	4.67
14 Dec. 74	2	7	10	3.50	5.00
15 Dec. 74	3	9	13	3.00	6.00
27 Jan. 75	1	4	5	4.00	5.00
6 Feb. 75	2	5	6	2.50	3.00
10 Feb. 75	2	6	8	3.00	4.00
28 Feb. 75	1	2	3	2.00	3.00
1 Mar. 75	3	8	10	2.67	3.33
7 Jul. 75	4	-	13	-	3.25
8 Jul. 75	4	-	14	-	3.50
9 Jul. 75	4	-	15	-	3.75
27 Oct. 75	3	-	9	-	3.00
28 Oct. 75	2	-	9	-	4.50
29 Oct. 75	2	-	9	-	4.50
30 Oct. 75	2	-	6	-	3.00
31 Oct. 75	3	-	5	-	1.67

TABLE IX

Pond 3 BOD - Total mg/l

Date	BOD_5	BOD_{20}	BOD_{30}	Ratio 20/5	Ratio 30/5
7 Nov. 74	26	43	55	1.65	2.11
10 Nov. 74	30	49	63	1.63	2.10
20 Nov. 74	22	40	52	1.82	2.36
25 Nov. 74	20	38	50	1.90	2.50
2 Dec. 74	13	34	60	2.62	4.62
7 Dec. 74	11	32	47	2.91	4.27
11 Dec. 74	12	37	51	3.08	4.25
14 Dec. 74	10	23	28	2.30	2.80
15 Dec. 74	26	59	63	2.27	2.42
27 Jan. 75	18	58	64	3.22	3.56
6 Feb. 75	14	33	45	2.37	3.21
10 Feb. 75	20	44	58	2.20	2.90
28 Feb. 75	13	31	41	2.38	3.15
1 Mar. 75	18	48	60	2.67	3.33
7 Jul. 75	33	-	75	-	2.27
8 Jul. 75	41	-	79	-	1.93
9 Jul. 75	53	-	132	-	2.49
27 Oct. 75	8	-	26	-	3.25
28 Oct. 75	9	-	28	-	3.11
29 Oct. 75	8	-	21	-	2.62
30 Oct. 75	8	-	19	-	2.38
31 Oct. 75	7	-	18	-	2.57

TABLE X

Pond 3 BOD - Soluble mg/1

Date	BOD_5	BOD_{20}	BOD_{30}	Ratio 20/5	Ratio 30/5
7 Nov. 74	8	20	33	2.50	4.12
10 Nov. 74	4	12	22	3.00	5.50
20 Nov. 74	5	15	17	3.00	3.40
25 Nov. 74	5	14	22	2.80	4.40
2 Dec. 74	2	12	19	6.00	9.00
7 Dec. 74	3	10	16	3.33	5.33
11 Dec. 74	3	12	18	4.00	6.00
14 Dec. 74	2	7	10	3.50	5.00
15 Dec. 74	3	13	17	4.33	5.67
27 Jan. 75	5	8	9	1.60	1.80
6 Feb. 75	1	4	6	4.00	6.00
10 Feb. 75	3	6	8	2.00	2.67
28 Feb. 75	2	4	6	2.00	3.00
1 Nov. 75	2	6	8	3.00	3.67
7 Jul. 75	5	-	13	-	2.60
8 Jul. 75	5	-	14	-	2.80
9 Jul. 75	5	-	15	-	3.00
27 Oct. 75	2	-	8	-	4.00
28 Oct. 75	2	-	9	-	4.50
29 Oct. 75	2	-	9	-	4.50
30 Oct. 75	2	-	3	-	1.50
31 Oct. 75	2	-	6	-	3.00

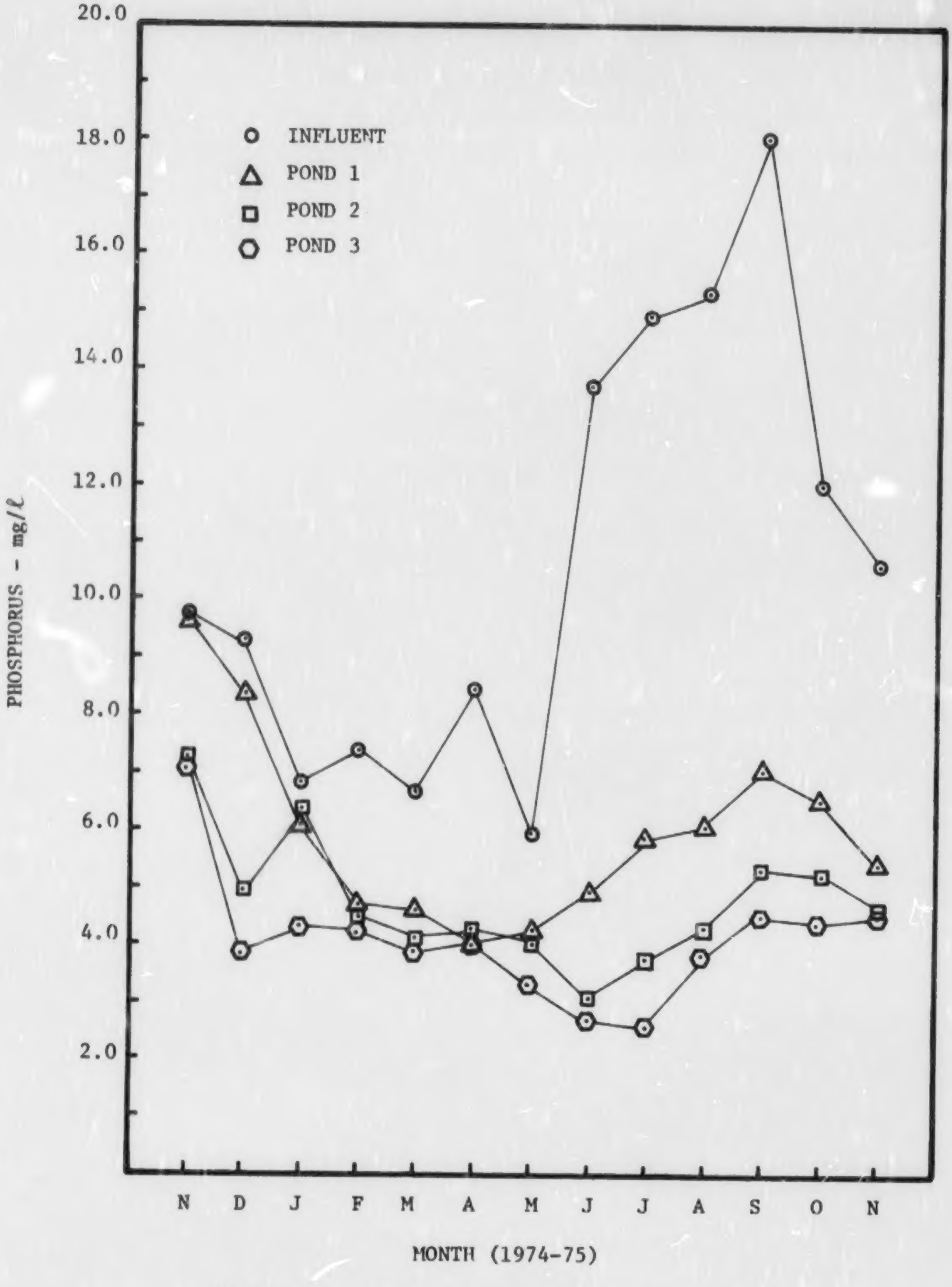

Figure 10. Monthly average phosphorus - total

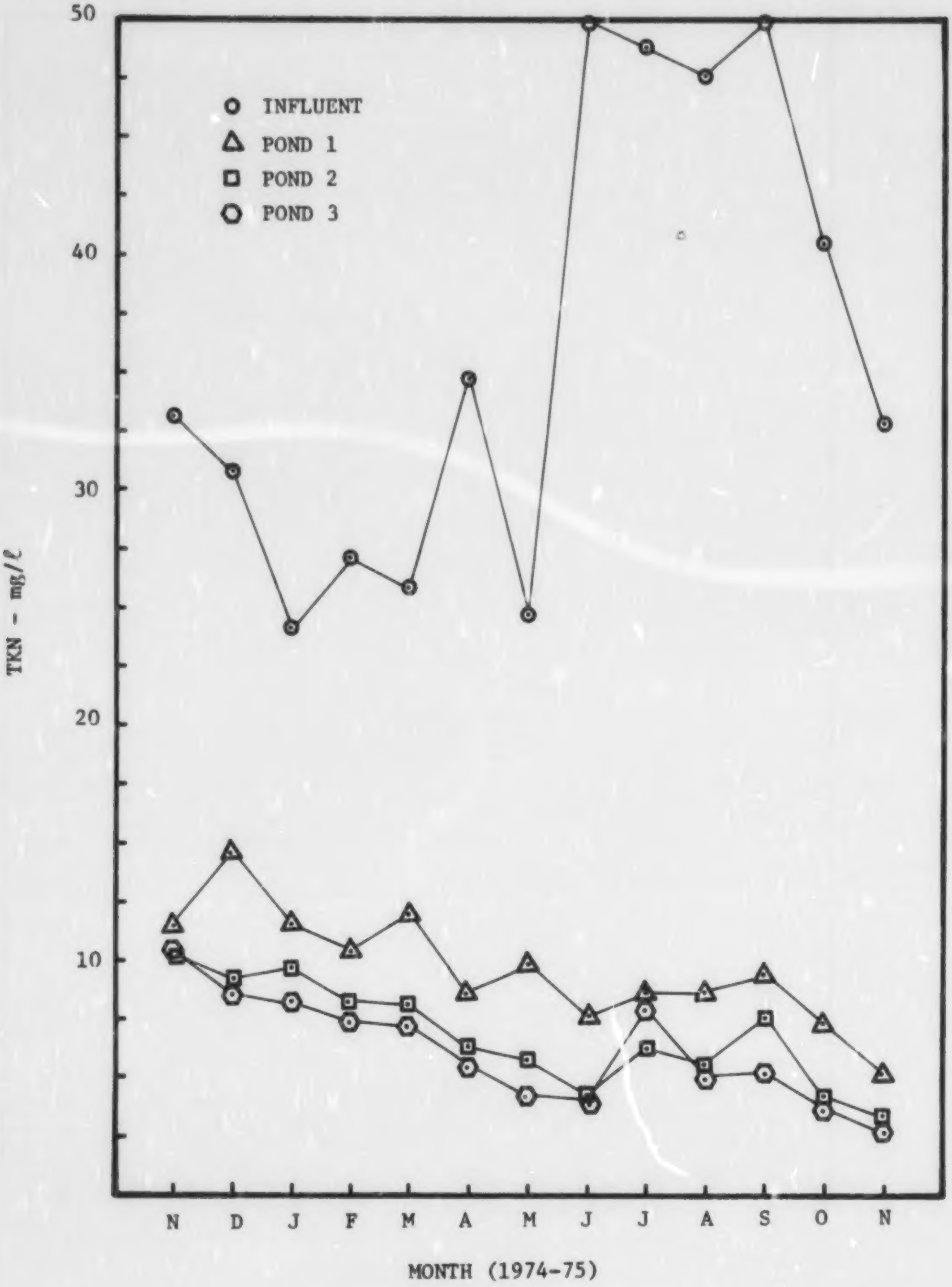

Figure 11. Monthly average TKN

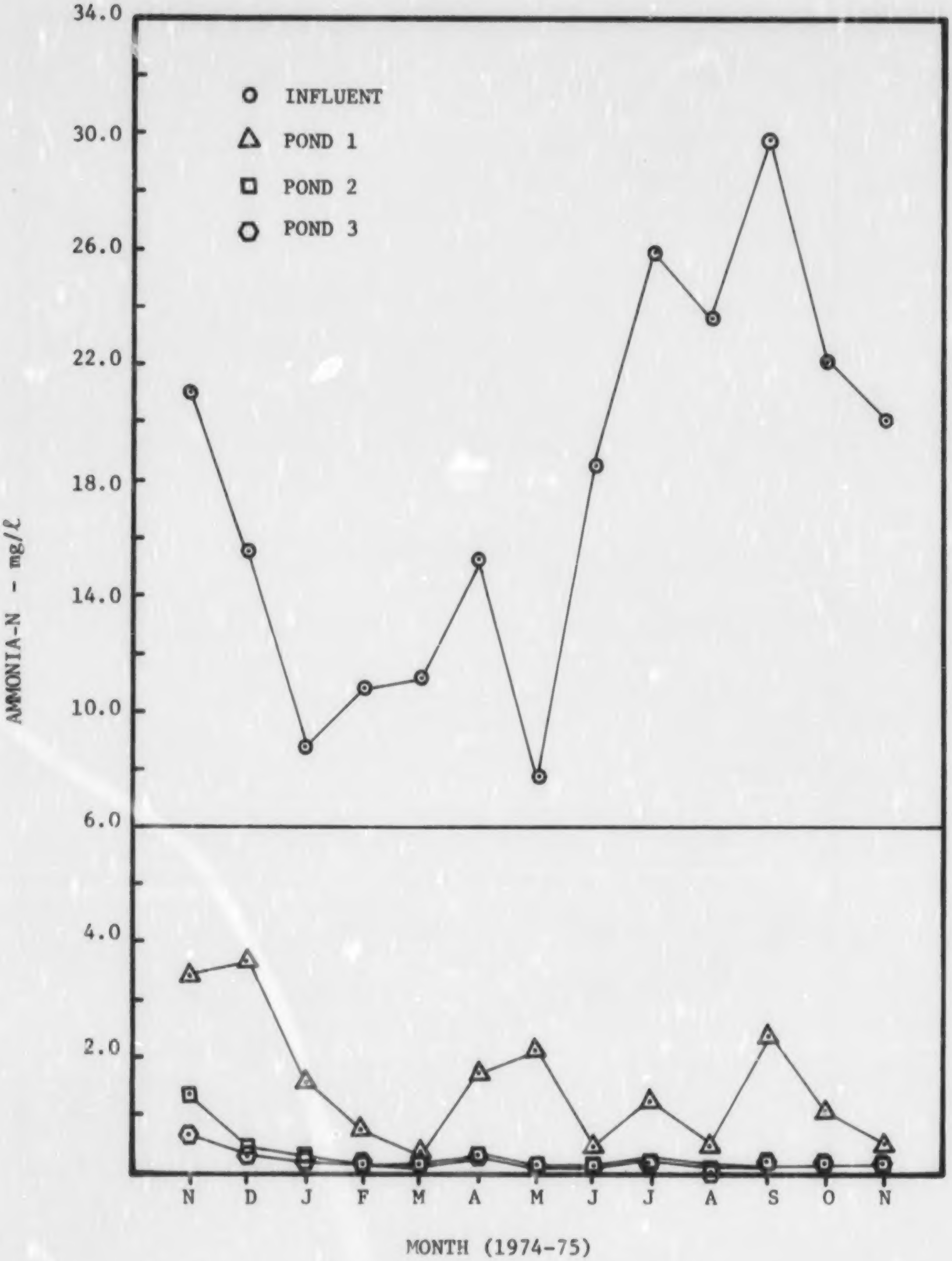

Figure 12. Monthly average ammonia-N

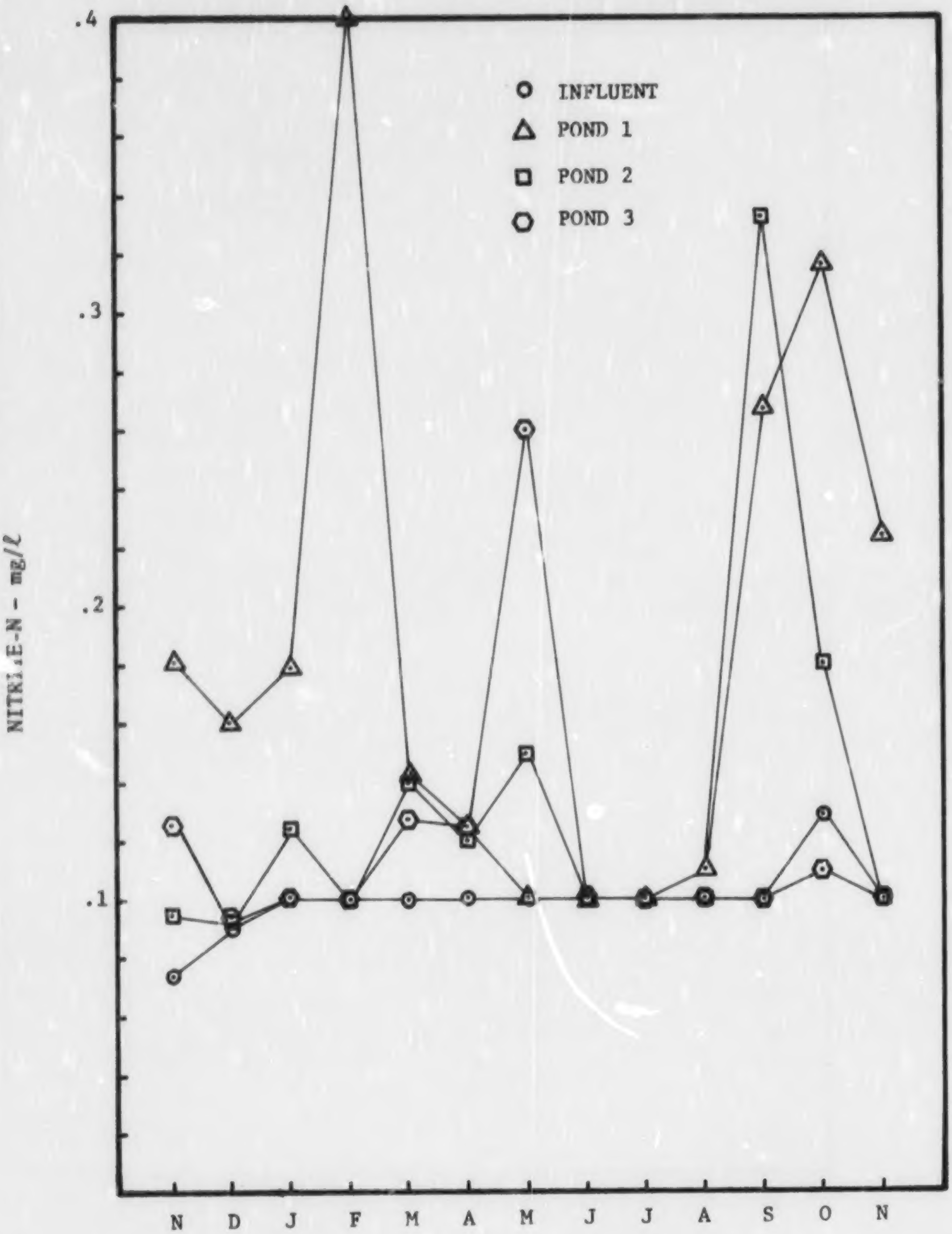

Figure 13. Monthly average nitrite-N

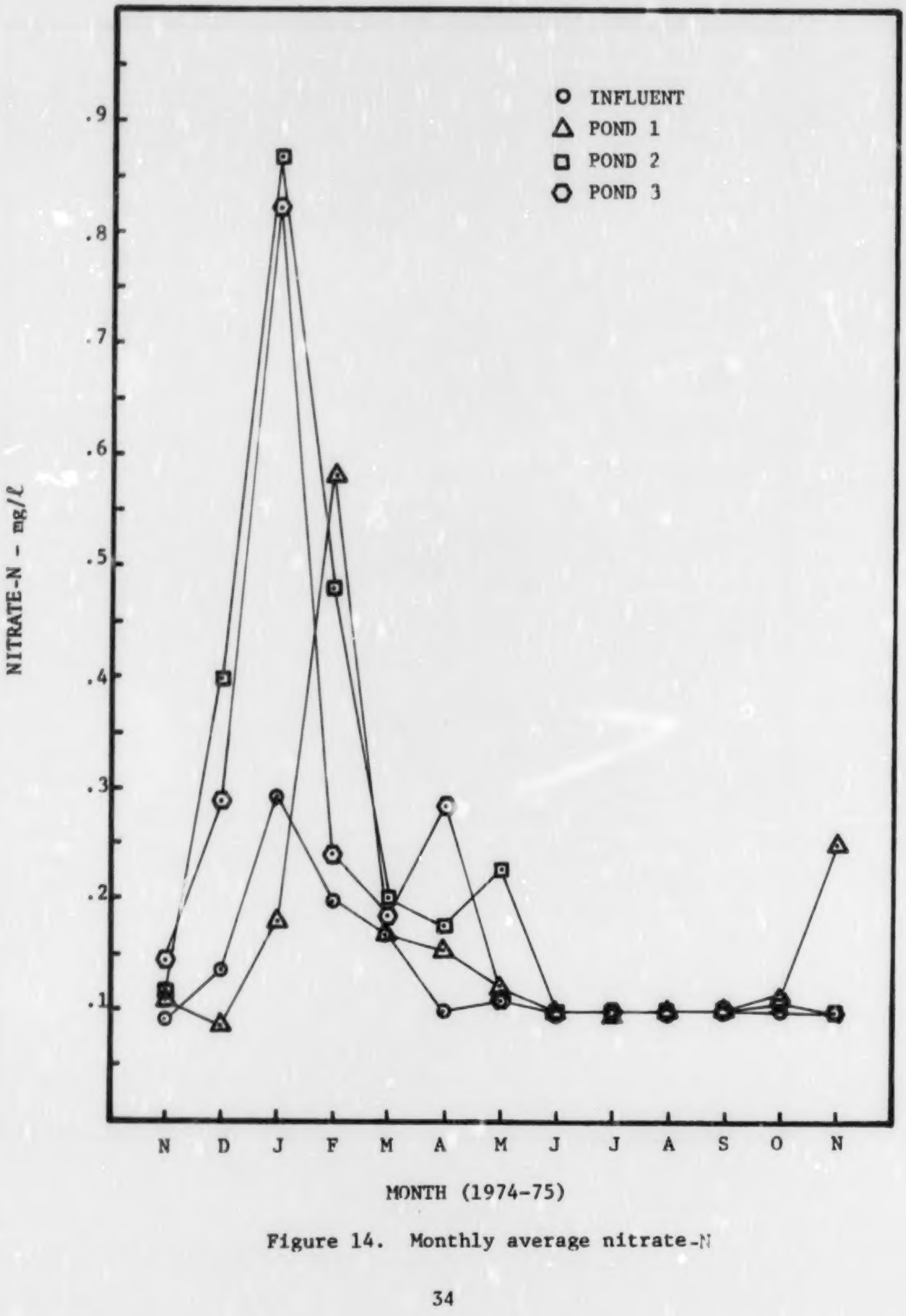

Figure 14. Monthly average nitrate-N

Nitrite and nitrate data appear to be somewhat irratic. Effluent concentrations from Ponds 1, 2 and 3 were generally higher than the influent which indicate nitrification as do the reductions in Ammonia-N and TKN. However, the increase in nitrates is insignificant when compared with the reductions in total Kjeldahl nitrogen. Apparently, denitrification took place with the liberation of nitrogen gas to the atmosphere.

Algae and Suspended Solids

The predominant species of algae throughout the study period were *Chlorella* and *Chlorococcum*. Algae cell counts are plotted in Figure 15. These data are contrary to prior expectations as it can be noted that counts were at a maximum during winter months and at a minimum during the summer months. These changes were highly significant in that they could be detected through visual observation of the lagoon. During the month of April, Ponds 2 and 3 essentially cleared and little algae was visually observed. This disappearance of algae was accompanied by a sharp drop in the dissolved oxygen level from approximately 15 mg/ℓ in March to approximately 5 mg/ℓ during April. Also, there was a sharp decrease in the total BOD_5 as shown in Figure 6.

Following the April low, cell counts increased somewhat but never regained the level of the previous winter season. The Kilmichael lagoon was last visited during early December and Ponds 2 and 3 were again clear. The bottom was clearly visible at a depth of about 2 feet.

The suspended solids content of Ponds 1, 2, and 3 also showed a decrease during April and a partial recovery during the summer months. However, changes were more subtle than was the case for algae. Suspended solids data are shown in Figure 16.

Effluent limitations on suspended solids have been established by the Environmental Protection Agency and set at 30 mg/ℓ or less for samples taken consecutively for thirty days. It can be noted in Figure 16 that effluents from Ponds 1, 2, and 3 exceeded this limit in most cases.

It has been previously noted that the soluble BOD_5 was consistently less than 10 mg/ℓ and usually on the order of 5 mg/ℓ. The total BOD_5 varied considerably but was usually 20 ± 10 mg/ℓ. The difference in the total and soluble BOD_5 represents the contribution of suspended solids and principally algal cells. Again, it should be noted that suspended solids play a major role in overall lagoon performance as well as daily and seasonal fluctuation.

Fecal Coliform

Monthly averages of fecal coliform data are shown in Figure 17. It can be noted that the data range from a high of approximately 10^9

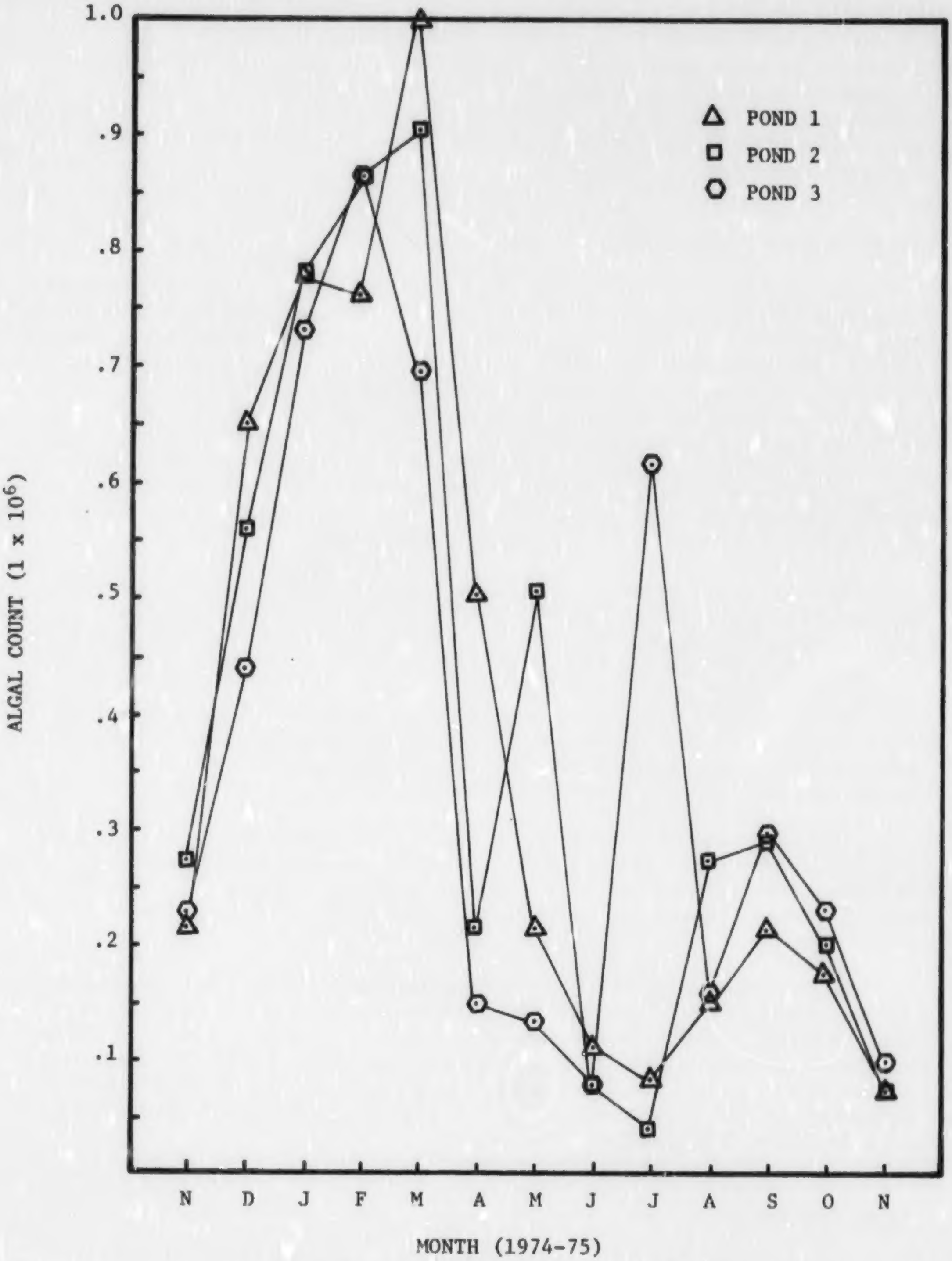

Figure 15. Monthly average algal count

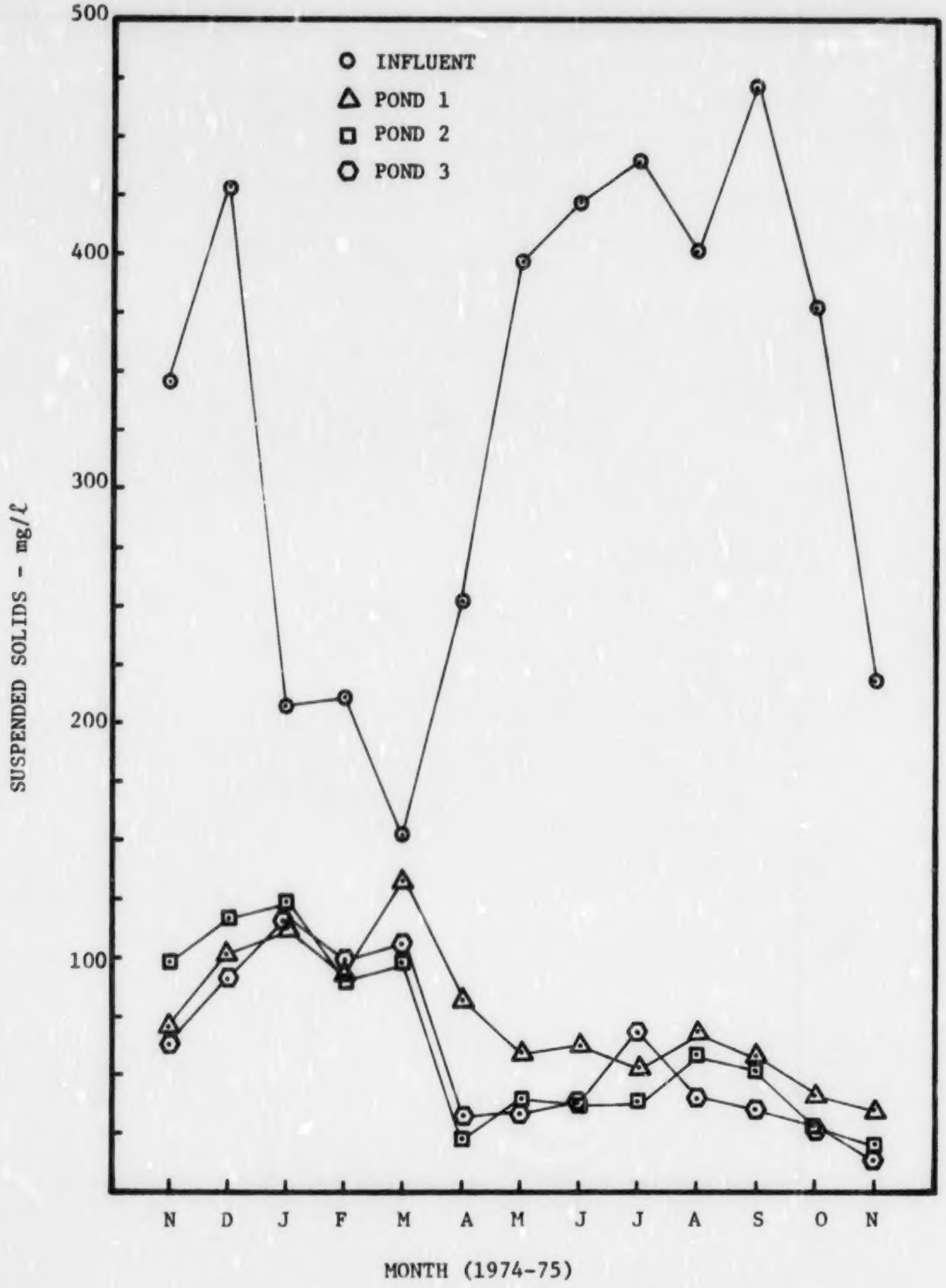

Figure 16. Monthly average suspended solids

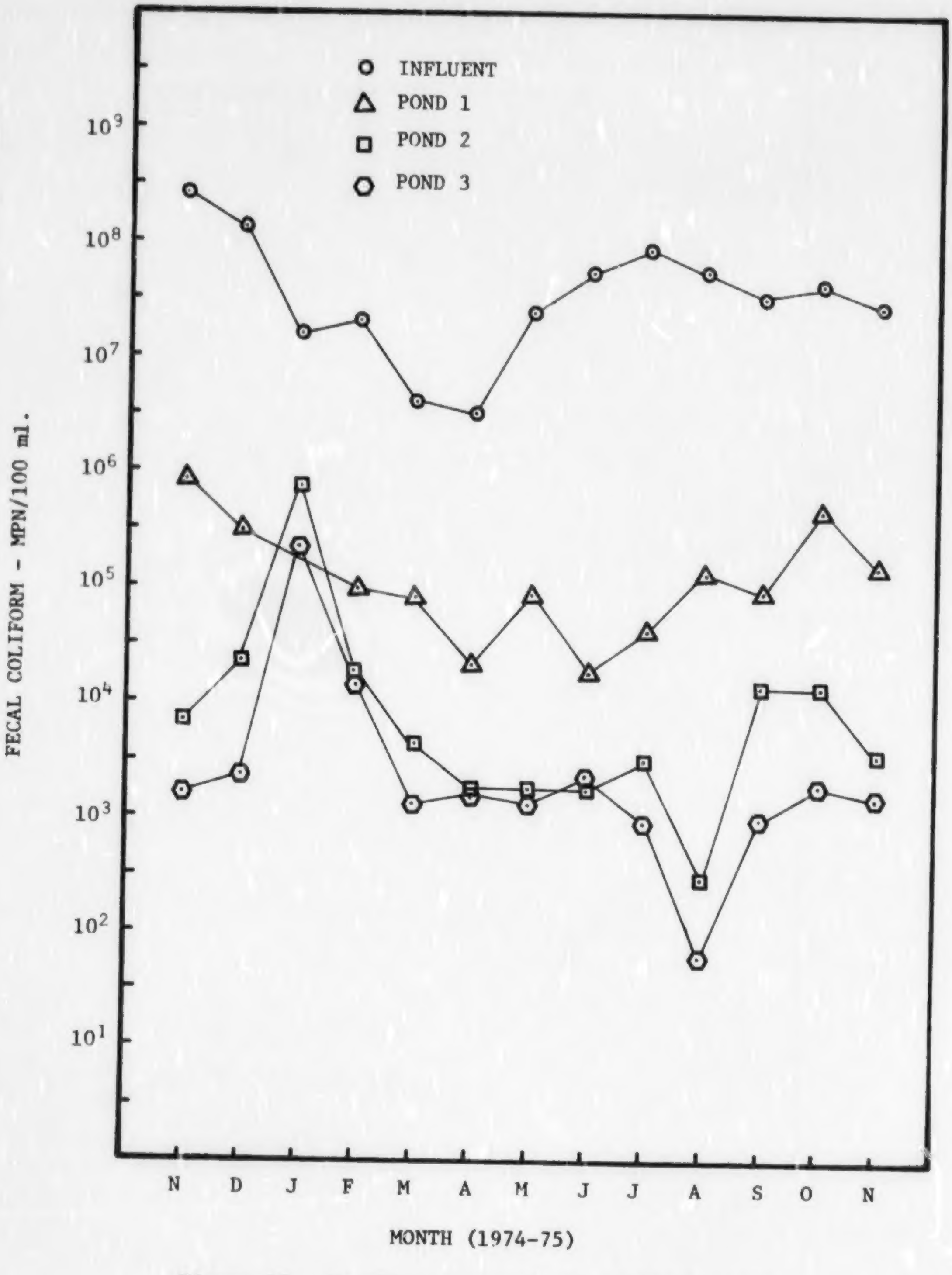

Figure 17. Monthly average fecal coliform count

for influent to a low of 10^2 for Pond 3 effluent or a spread of seven orders of magnitude. As expected, the greatest decrease in coliform count was observed between the influent and Pond 1 effluent. However, it should be noted there appears to be a significant improvement in die-off as a result of the multiple cell arrangement.

Oxygen, Alkalinity, and pH

The dissolved oxygen content of the lagoon system remained high, as a result of algae activity, throughout the study period. Concentrations were at a maximum during the winter months when the algae count was at a maximum and at a minimum during April when the algae count was at a minimum. Refer to Figure 18 for a presentation of these data.

Alkalinity appears to be inversely proportional to flow. During the winter months when rainfall and flow were at a maximum, alkalinity was at a minimum. See Figure 19. On the other hand, when flows were at a minimum, alkalinity was at a maximum. It should be noted, there is a significant decrease in alkalinity between the influent and Pond 1 effluent and an increase in pH (Figure 20). The increase in pH may be attributed to the removal of CO_2 by algal activity, however the alkalinity should remain constant. It would appear that as the pH increases, calcium carbonate is being precipitated.

Climatological Data

Data for average daily air temperatures and rainfall were obtained for each day of the study period. These are shown in Figures 21 and 22. Water temperatures are presented here for comparative purposes (Figure 23).

As expected, rainfall was at a maximum during the winter-spring season and minimum during late summer and fall. However, it should be noted that heavy rainfall did occur during this latter period.

Air temperatures and water temperatures for Ponds 1, 2, and 3 followed the same general trend (Figures 21 and 22) with minimums in winter and maximums in summer. The curve for influent water temperatures was damped and did not show the wide variations exhibited by the air temperature or other water temperatures. All of these data follow closely expected trends.

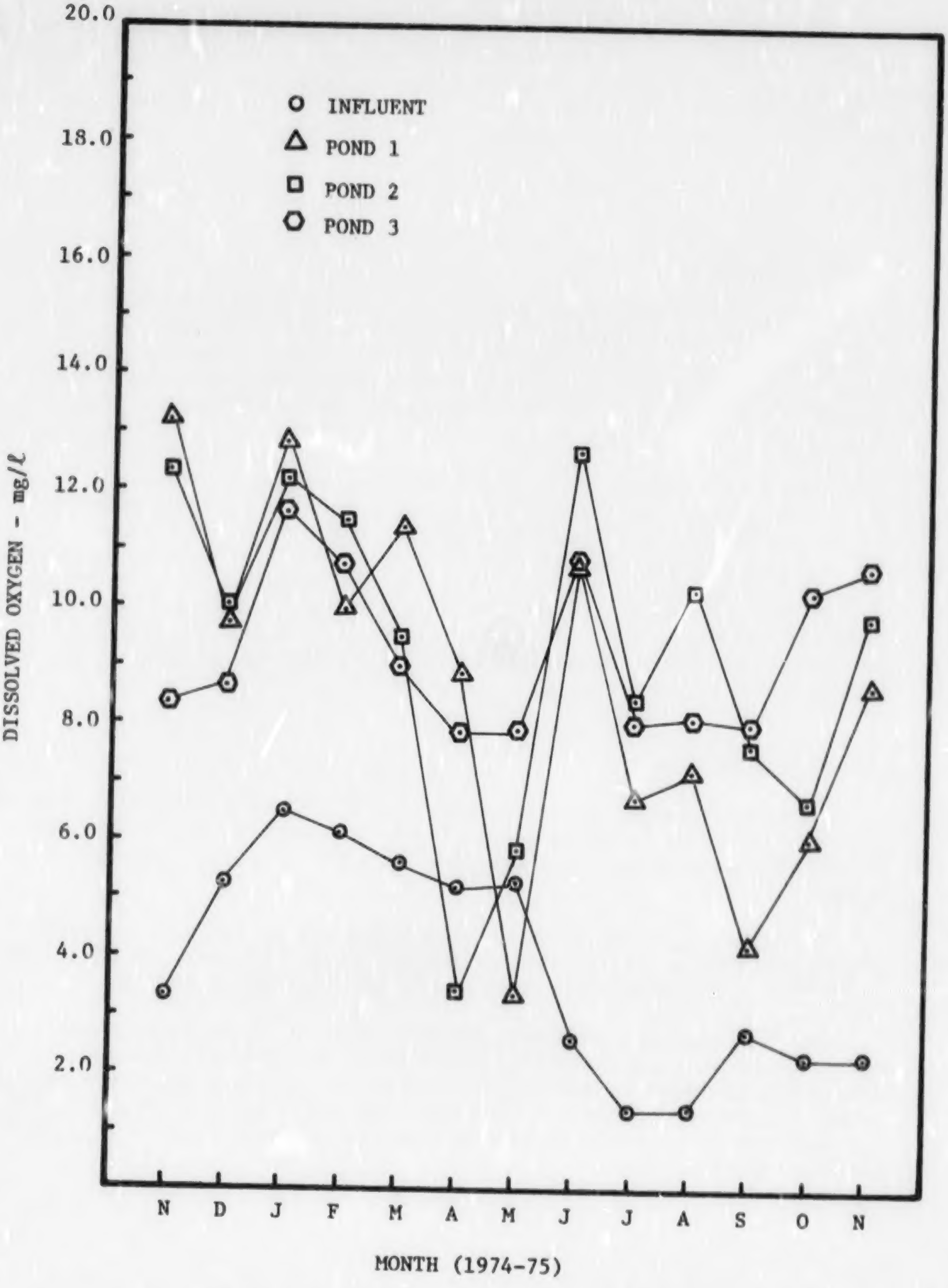

Figure 18. Monthly average dissolved oxygen

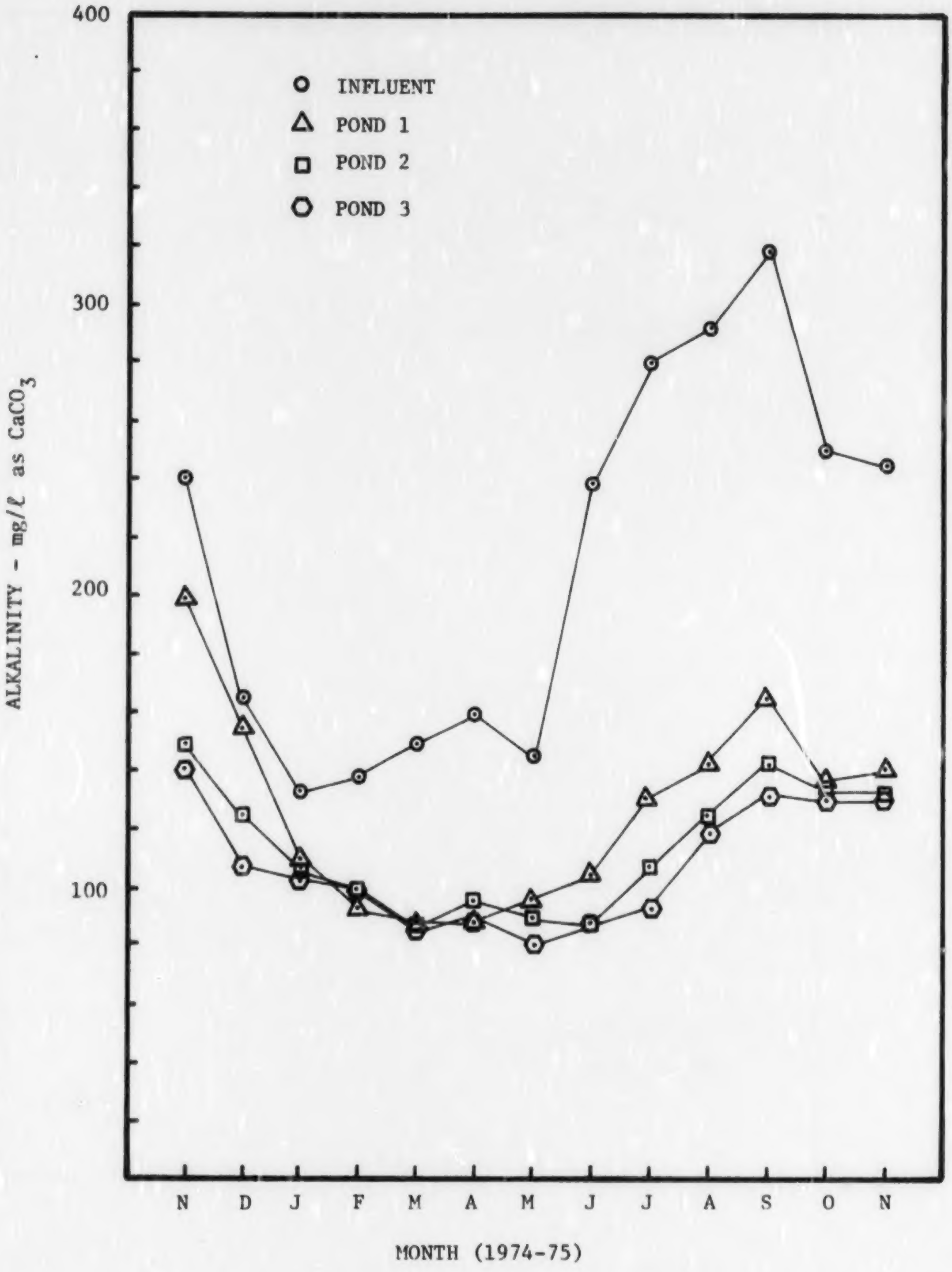

Figure 19. Monthly average alkalinity - total

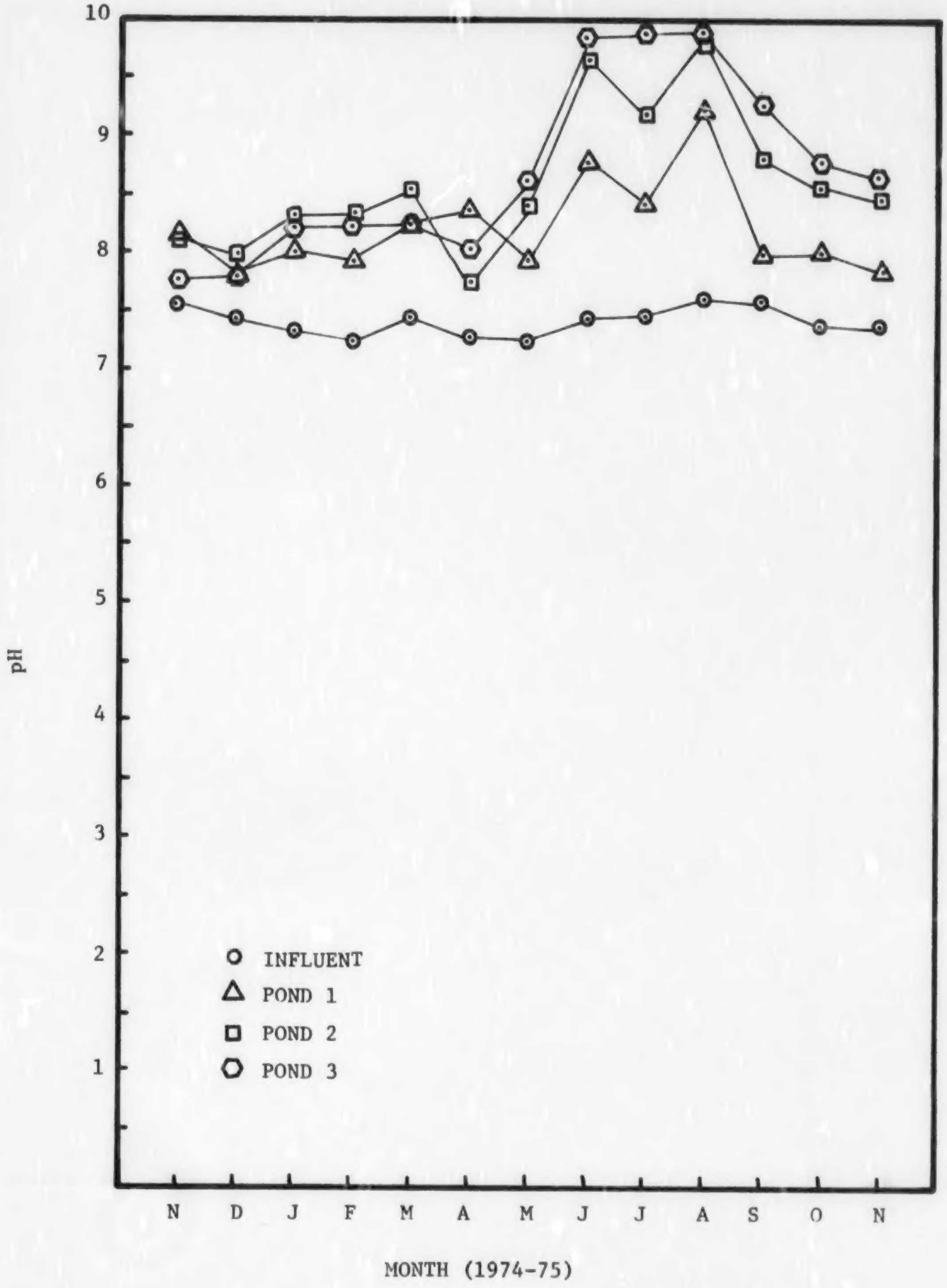

Figure 20. Monthly Average pH

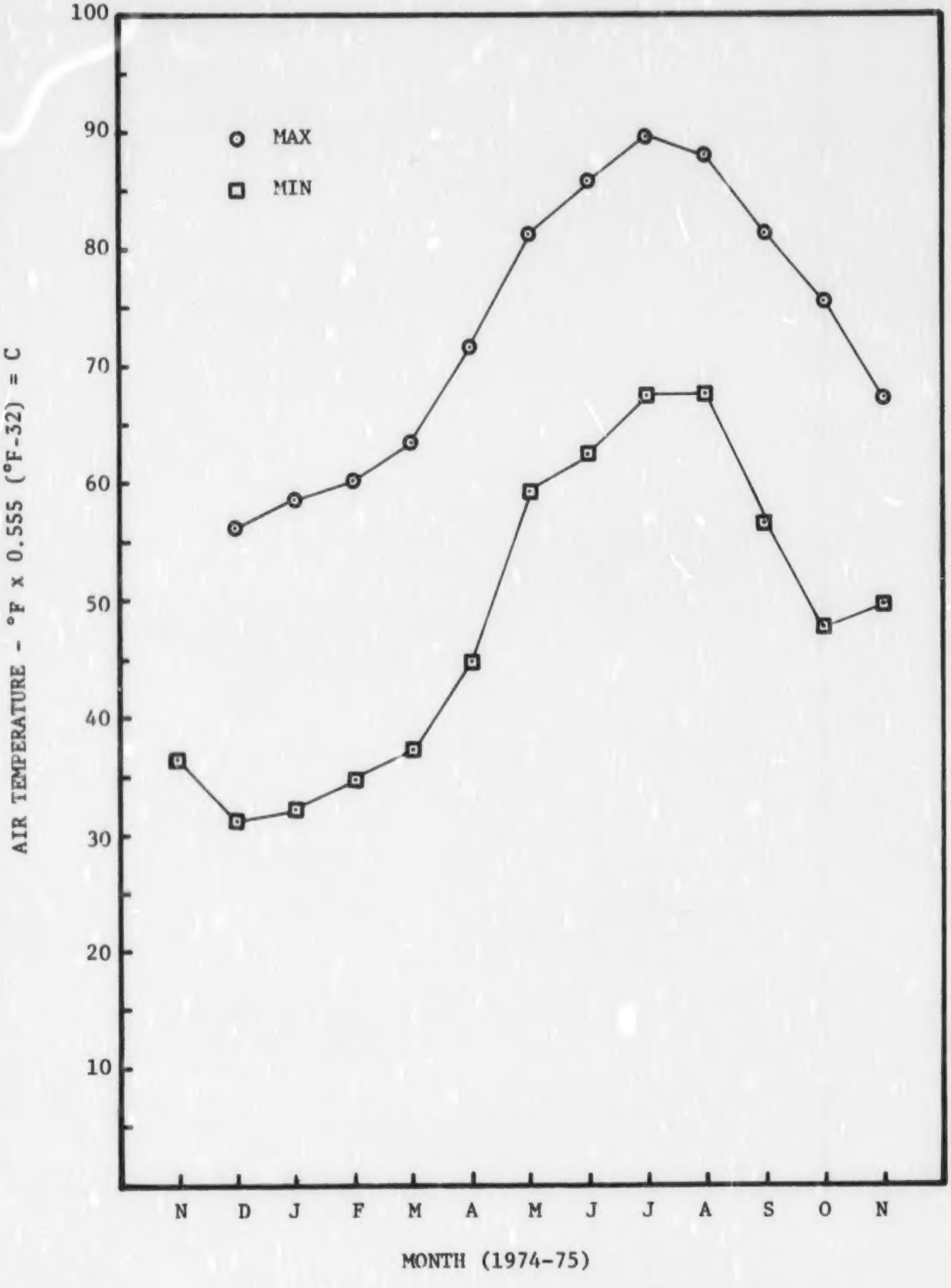

Figure 21. Monthly average air temperature

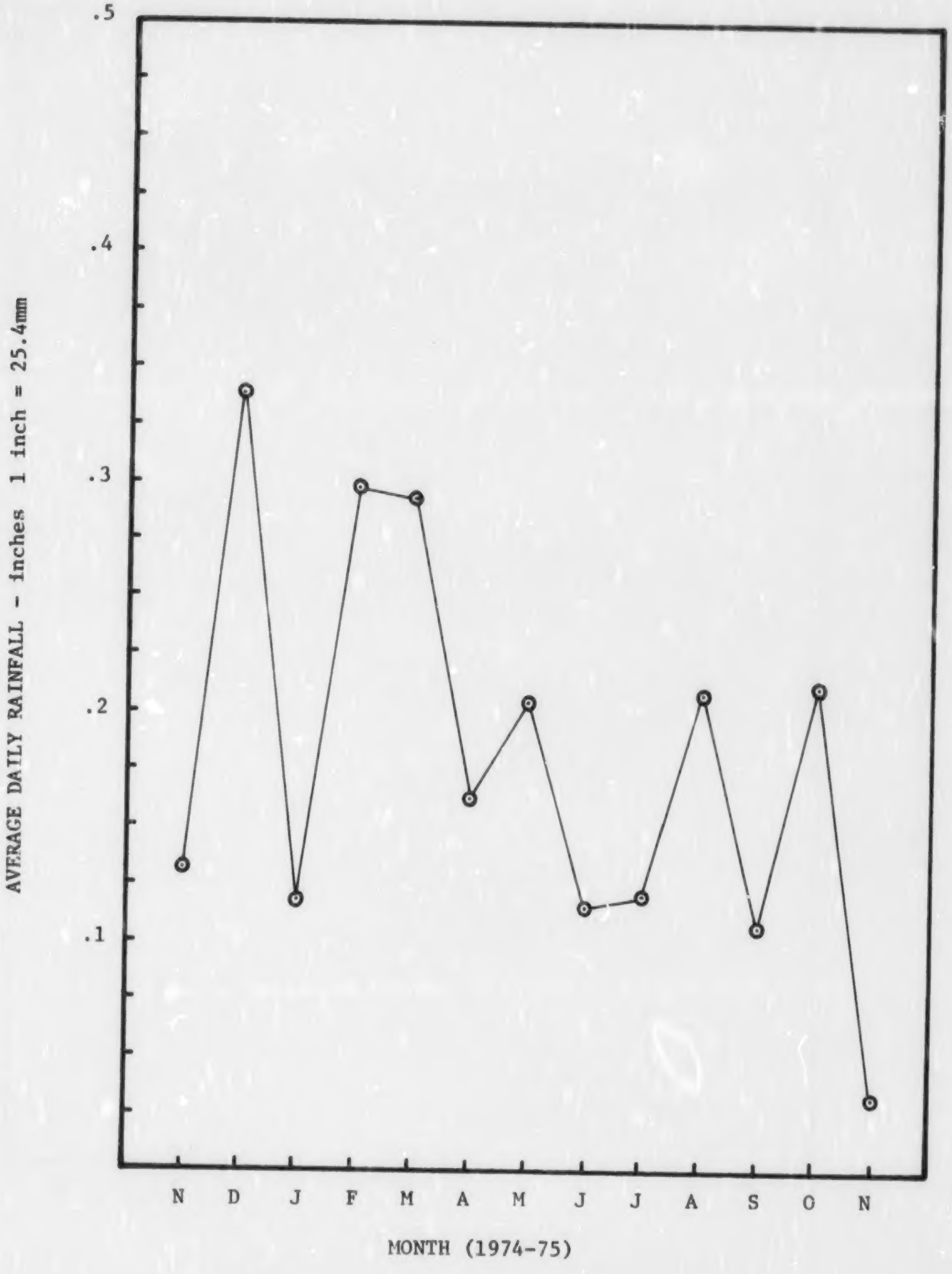

Figure 22. Average rainfall

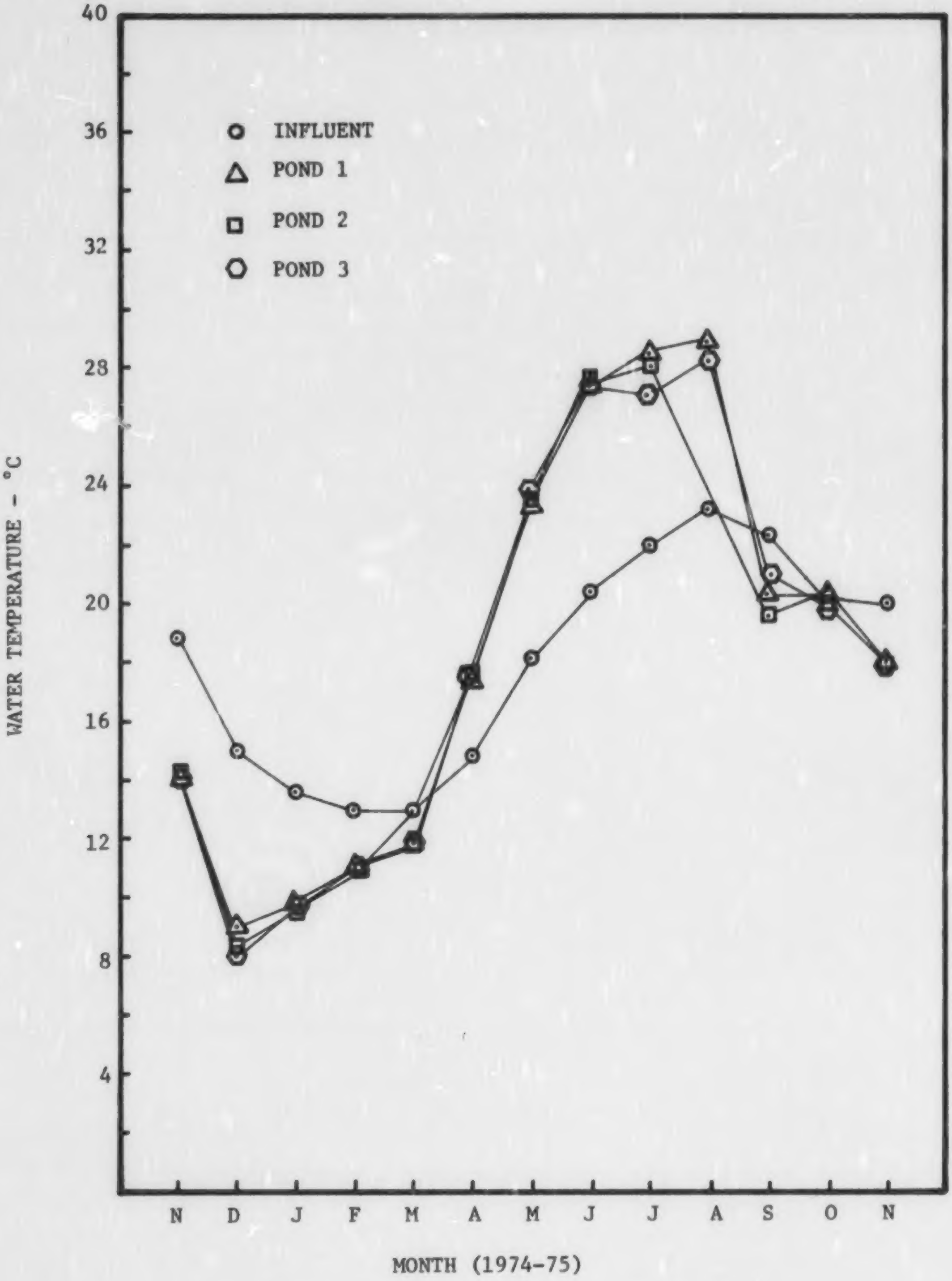

Figure 23. Monthly average water temperature

APPENDIX A

TABLE XI. MONTHLY AVERAGED DATA

(Flow, pH, Alkalinity, Dissolved Oxygen, and Water Temperature)
(1 MGD = 3,785 m^3/d)

Month	No. of Sampling Days	Sampling Location	Flow MGD	(% Design) Flow	pH	$\frac{mg}{l}$ as $CaCO_3$ Alkalinity	$\frac{mg}{l}$ D.O.	Water Temp. (°C)
Nov. 74	6	Infl.			7.5	239.6	3.3	18.9
		Pond 1 Effl.			8.1	199.3	13.2	14.4
		Pond 2 Effl.			8.1	149.3	12.4	14.4
		Pond 3 Effl.			7.7	141.4	8.4	14.3
Dec.	10	Infl.			7.4	164.2	5.3	15.1
		Pond 1 Effl.			7.8	155.4	9.7	9.0
		Pond 2 Effl.			7.8	124.3	10.0	8.4
		Pond 3 Effl.			7.8	107.4	8.7	8.0
Jan. 75	29	Infl.			7.3	131.9	6.45	13.7
		Pond 1 Effl.			8.0	110.2	12.9	9.6
		Pond 2 Effl.			8.3	105.8	12.2	9.5
		Pond 3 Effl.			8.2	103.0	11.7	9.6
Feb.	5	Infl.	.052	28.9	7.2	136.8	6.12	13.0
		Pond 1 Effl.			7.9	92.6	10.0	11.2
		Pond 2 Effl.			8.3	96.8	11.5	11.1
		Pond 3 Effl.			8.2	96.6	10.8	10.9
Mar.	12	Infl.	.175	97.1	7.4	148.5	5.6	13.1
		Pond 1			8.2	88.6	11.4	11.9
		Pond 2			8.5	86.6	9.5	11.9
		Pond 3			8.2	85.8	9.0	13.1
Apr.	30	Infl.	.082	45.5	7.2	159.0	5.2	14.9
		Pond 1			8.3	87.8	8.8	17.4
		Pond 2			7.7	94.8	3.4	17.7
		Pond 3	.068	37.6	8.0	90.7	7.8	17.4
May	7	Infl.	.109	60.5	7.2	145.3	5.2	18.2
		Pond 1			7.9	95.2	3.4	23.4
		Pond 2			8.3	89.2	5.8	23.6
		Pond 3	.111	61.5	8.6	80.7	7.9	23.9

APPENDIX A

TABLE XI. MONTHLY AVERAGED DATA (Continued)
(Flow, pH, Alkalinity, Dissolved Oxygen, and Water Temperature Continued)

Month	No. of Sampling Days	Sampling Location	Flow MGD	(% Design) Flow	pH	$\frac{mg}{l}$ as $CaCO_3$ Alkalinity	$\frac{mg}{l}$ D.O.	Water Temp. (°C)
Jun.	12	Infl.	.051	28.4	7.4	237.8	2.6	20.5
		Pond 1			8.7	104.7	10.7	27.4
		Pond 2			9.6	87.0	12.7	27.6
		Pond 3		11.4	9.8	87.6	10.9	27.4
Jul.	27	Infl.	.050	27.5	7.4	280.5	1.4	22.0
		Pond 1			8.4	131.0	6.8	28.6
		Pond 2			9.1	106.7	8.4	28.2
		Pond 3	.020	11.0	9.8	94.3	8.0	27.2
Aug.	10	Infl.	.021	11.6	7.6	292.7	1.4	23.3
		Pond 1			9.2	143.1	7.2	29.1
		Pond 2			9.8	125.1	10.4	29.1
		Pond 3	.017	9.2	9.8	119.0	8.1	28.4
Sept.	3	Infl.	.055	30.8	7.5	318.0	2.7	22.3
		Pond 1			7.9	165.3	4.2	20.3
		Pond 2			8.8	142.0	7.6	19.7
		Pond 3	.044	24.7	9.2	132.3	8.0	21.0
Oct.	30	Infl.	.085	47.1	7.3	250.0	2.2	21.1
		Pond 1			8.0	156.9	6.0	20.5
		Pond 2			8.5	134.2	6.7	20.4
		Pond 3	.098	54.6	8.7	129.9	10.3	20.0
Nov.	4	Infl.	.057	31.9	7.3	245.0	2.3	20.1
		Pond 1			7.8	140.5	8.7	18.2
		Pond 2			8.4	133.0	9.9	18.1
		Pond 3	.054	29.8	8.6	131.3	10.7	18.1

APPENDIX A

TABLE XI. MONTHLY AVERAGED DATA (Continued)
(Total BOD, Soluble BOD, Total COD, Soluble COD)

Month	No. of Sampling Days	Sampling Location	Total BOD ($\frac{mg}{\ell}$)	% Remaining	Soluble BOD ($\frac{mg}{\ell}$)	% Remaining	Total COD ($\frac{mg}{\ell}$)	% Remaining	Soluble COD ($\frac{mg}{\ell}$)	% Remaining
Nov. 74	6	Infl.	200.0		56.5		253.7		114.2	
		Pond 1	23.5	11.7	5.3	9.4	138.0	54.4	77.5	67.9
		Pond 2	25.0	12.5	4.2	7.4	155.0	61.1	80.3	70.3
		Pond 3	32.0	16.0	7.2	12.7	181.0	71.3	111.7	97.8
Dec.	10	Incl.	171.5		52.0		332.4		100.6	
		Pond 1	24.0	14.0	3.6	6.9	123.1	37.0	52.0	51.7
		Pond 2	17.0	9.9	2.4	4.6	127.4	38.3	68.2	67.8
		Pond 3	13.5	7.9	2.7	5.2	141.6	42.6	89.9	89.4
Jan. 75	29	Infl.	105.8		21.2		203.5		80.7	
		Pond 1	21.0	19.8	3.4	16.0	119.7	58.8	41.7	51.7
		Pond 2	19.5	18.4	2.6	12.3	124.3	61.1	46.2	57.2
		Pond 3	19.0	17.9	2.8	13.2	116.2	57.1	50.7	62.8
Feb.	5	Infl.	135.0		49.4		232.2		81.4	
		Pond 1	19.8	14.7	2.6	5.3	128.0	55.1	34.6	42.5
		Pond 2	17.2	12.7	2.1	4.3	98.2	42.3	34.6	42.5
		Pond 3	17.0	12.6	2.4	4.9	98.4	42.4	46.4	57.0
Mar.	12	Infl.	107.7		39.3		224.5		78.0	
		Pond 1	26.7	24.8	3.2	8.1	164.4	73.2	30.4	39.0
		Pond 2	18.7	17.4	2.6	6.6	124.5	55.5	30.6	39.2
		Pond 3	17.7	16.4	2.5	6.4	110.6	49.3	30.9	39.6
Apr.	30	Infl.	187.0		54.5		470.0		108.4	
		Pond 1	15.5	8.3	3.4	6.2	103.4	22.0	38.3	35.3
		Pond 2	6.0	3.2	3.2	5.9	50.4	10.7	41.3	38.1
		Pond 3	6.5	3.5	3.1	5.7	55.6	11.8	42.5	39.2
May	7	Infl.	139.9		37.1		311.8		80.7	
		Pond 1	17.1	12.2	5.2	14.0	89.7	28.8	49.3	61.1
		Pond 2	12.7	9.1	3.5	9.4	74.0	23.7	43.3	53.7
		Pond 3	10.3	7.4	3.2	8.6	61.7	19.8	40.0	49.6

APPENDIX A

TABLE XI. MONTHLY AVERAGED DATA (Continued)
(Total BOD, Soluble BOD, Total COD, Soluble COD Continued)

Month	No. of Sampling Days	Sampling Location	Total BOD ($\frac{mg}{\ell}$)	% Remaining	Soluble BOD ($\frac{mg}{\ell}$)	% Remaining	Total COD ($\frac{mg}{\ell}$)	% Remaining	Soluble COD ($\frac{mg}{\ell}$)	% Remaining
Jun.	12	Infl.	277.7		80.6		627.6		153.8	
		Pond 1	25.6	9.2	5.0	6.2	88.5	14.1	49.8	32.4
		Pond 2	19.0	6.8	3.4	4.2	70.9	11.3	45.2	29.4
		Pond 3	20.9	7.5	3.6	4.5	72.8	11.6	44.6	29.0
Jul.	27	Infl.	270.0		96.1		626.2		192.0	
		Pond 1	25.1	9.3	5.8	6.0	121.5	19.4	70.6	36.8
		Pond 2	19.6	7.3	4.2	4.4	99.1	15.8	65.6	34.2
		Pond 3	33.9	12.6	4.2	4.4	121.1	19.3	69.2	36.0
Aug.	10	Infl.	321.0		96.0		746.0		235.2	
		Pond 1	31.0	9.7	7.4	7.7	139.7	18.7	93.6	39.8
		Pond 2	26.0	8.1	4.2	4.4	120.3	16.1	84.2	35.8
		Pond 3	21.0	6.5	3.7	3.9	112.1	15.0	84.3	35.8
Sept.	3	Infl.	301.0		74.0		571.7		168.3	
		Pond 1	15.0	5.0	3.0	4.1	52.3	9.1	60.0	35.7
		Pond 2	15.0	5.0	3.3	4.5	79.0	13.8	44.7	26.6
		Pond 3	11.0	3.7	3.2	4.3	68.5	12.0	40.0	23.8
Oct.	30	Infl.	247.3		75.6		534.7		164.4	
		Pond 1	17.0	6.9	4.2	5.6	107.8	20.2	72.6	44.2
		Pond 2	11.5	4.6	3.3	4.4	95.8	17.9	73.7	44.8
		Pond 3	9.5	3.8	2.4	3.2	93.6	17.5	70.1	42.6
Nov.	4	Infl.	200.0		79.0		457.5		191.2	
		Pond 1	14.0	7.0	3.3	4.2	101.8	22.3	66.7	34.9
		Pond 2	8.0	4.0	2.4	3.0	88.3	19.3	68.2	35.7
		Pond 3	8.0	4.0	2.2	2.8	83.8	18.3	68.8	36.0

APPENDIX A

TABLE XI. MONTHLY AVERAGED DATA (Continued)
(Total Kjeldahl Nitrogen, Ammonia, Nitrite, Nitrate, Total Phosphorus)

Month	No. of Sampling Days	Sampling Location	Total Kjeldahl Nitrogen ($\frac{mg}{\ell}$)	% Remaining	Ammonia-N (mg/ℓ)	% Remaining	Nitrite-N (mg/ℓ)	Nitrate-N	Total Phos ($\frac{mg}{\ell}$)	% Remaining
Nov. 74	6	Infl.	33.1		21.0		.07	.09	9.8	
		Pond 1	11.6	35.0	3.4	16.2	.18	.10	9.6	98.0
		Pond 2	10.2	65.9	1.3	6.2	.09	.16	7.3	74.5
		Pond 3	10.4	31.4	.6	2.9	.88	.14	7.2	73.5
Dec.	10	Infl.	30.7		15.5		.09	.14	9.3	
		Pond 1	14.6	47.6	3.6	23.2	.16	.09	8.4	90.3
		Pond 2	9.3	30.3	.4	2.6	.09	.40	5.0	53.8
		Pond 3	8.6	28.0	.3	1.9	.09	.29	3.8	40.9
Jan. 75	29	Infl.	24.0		8.7		.11	.29	6.8	
		Pond 1	11.6	48.3	1.6	18.4	.18	.18	6.1	89.7
		Pond 2	9.6	40.0	.3	3.4	.12	.87	6.4	94.1
		Pond 3	8.2	34.2	.2	2.3	.10	.83	4.3	63.2
Feb.	5	Infl.	27.0		10.8		.10	.22	7.4	
		Pond 1	10.5	38.9	.7	6.5	.48	.58	4.7	63.5
		Pond 2	8.3	30.7	.1	0.9	.10	.48	4.5	60.8
		Pond 3	7.4	27.4	.2	1.9	.10	.28	4.3	58.1
Mar.	12	Infl.	25.8		11.1		.10	.17	6.7	
		Pond 1	12.1	46.9	.3	2.7	.14	.17	4.6	68.7
		Pond 2	8.1	31.4	.2	1.8	.14	.20	4.1	61.2
		Pond 3	7.2	27.9	.2	1.8	.13	.19	3.8	56.7
Apr.	30	Infl.	34.7		15.3		.10	.10	8.5	
		Pond 1	8.7	25.1	1.7	11.1	.12	.16	4.0	47.1
		Pond 2	6.4	18.4	2.9	19.0	.12	.18	4.3	50.6
		Pond 3	5.5	15.9	2.0	13.1	.12	.29	4.2	49.4
May	7	Infl.	24.9		7.7		.10	.11	6.0	
		Pond 1	9.0	36.1	2.1	27.3	.11	.12	4.2	70.0
		Pond 2	5.3	21.3	.9	11.7	.15	.23	4.0	66.7
		Pond 3	4.3	17.3	.7	9.1	.26	.11	3.3	55.0

APPENDIX A

TABLE XI. MONTHLY AVERAGED DATA (Continued)
(Total Kjeldahl Nitrogen, Ammonia, Nitrite, Nitrate, Total Phosphorus Continued)

Month	No. of Sampling Days	Sampling Location	Total Kjeldahl Nitrogen ($\frac{mg}{\ell}$)	% Remaining	Ammonia - N (mg/ℓ)	% Remaining	Nitrite-N (mg/ℓ)	Nitrate-N	Total Phos ($\frac{mg}{\ell}$)	% Remaining
Jun.	12	Infl.	41.0		18.5		.10	.10	13.7	
		Pond 1	7.6	18.5	.4	2.2	.10	.10	4.9	35.8
		Pond 2	4.3	10.5	.1	0.5	.10	.10	3.1	22.6
		Pond 3	4.2	10.2	.1	0.5	.10	.10	2.7	19.7
Jul.	27	Infl.	48.9		25.8		.10	.10	14.9	
		Pond 1	8.6	17.6	1.2	4.7	.10	.10	5.8	38.9
		Pond 2	6.4	13.1	.3	1.2	.10	.10	3.8	25.5
		Pond 3	7.9	16.2	.2	0.8	.10	.10	2.6	17.4
Aug.	10	Infl.	47.7		23.6		.10	.10	15.3	
		Pond 1	8.6	18.0	.5	2.1	.11	.10	6.1	39.9
		Pond 2	5.6	11.7	.1	0.4	.10	.10	4.3	28.1
		Pond 3	5.0	10.5	.1	0.4	.10	.10	3.8	24.8
Sept.	3	Infl.	53.3		29.8		.10	.10	18.0	
		Pond 1	9.4	17.6	2.3	7.7	.27	.10	7.0	38.9
		Pond 2	7.6	14.3	.7	2.3	.33	.10	5.4	30.0
		Pond 3	5.1	9.6	.1	0.3	.10	.10	4.5	25.0
Oct.	30	Infl.	40.6		22.1		.13	.11	12.0	
		Pond 1	7.3	18.0	1.0	4.5	.32	.11	6.5	54.2
		Pond 2	4.3	10.6	.1	0.5	.18	.11	5.2	43.3
		Pond 3	3.7	9.1	.1	0.5	.11	.10	4.4	36.7
Nov.	4	Infl.	32.7		20.1		.10	.10	10.6	
		Pond 1	5.0	15.3	.4	1.9	.22	.25	5.4	50.9
		Pond 2	3.3	10.1	.1	0.5	.10	.10	4.7	44.3
		Pond 3	2.7	8.3	.1	0.5	.10	.10	4.6	43.4

APPENDIX A

TABLE XI. MONTHLY AVERAGED DATA (Continued)
(Suspended Solids, Fecal Coliform, Algal Cell Count, Rainfall, Air Temperature)

Month	No. of Sampling Days	Sampling Location	Suspended Solids ($\frac{mg}{\ell}$)	% Remaining	Fecal Coliform	% Remaining	Algal Cell Counts	Rainfall (inches)	°F Air Temperature Min	°F Air Temperature Max
Nov.	6	Infl.	276.9		4.12×10^8					
		Pond 1	56.7	20.5	925000	0.2	213,217	.132	36.5	
		Pond 2	78.2	28.2	8517	2.06×10^{-3}	271,550			
		Pond 3	51.9	18.7	2155	0.5×10^{-3}	226,317			
Dec.	10	Infl.	343.2		2.0×10^7					
		Pond 1	81.5	23.7	495000	2.48	650,840	.339	31.2	
		Pond 2	92.6	27.0	36900	0.2	557,900			56.3
		Pond 3	73.2	21.3	3732	0.02	439,590			
Jan. 75	29	Infl.	166.1		2.3×10^7					
		Pond 1	89.2	53.7	2.29×10^5	1.0	777,822	.117	32.1	58.8
		Pond 2	98.9	59.5	1.87×10^5	0.8	783,728			
		Pond 3	92.9	55.9	2.42×10^5	1.1	732,430			
Feb.	5	Infl.	168.8		6.04×10^6					
		Pond 1	74.0	43.8	9.8×10^4	1.6	762,580	.298	34.9	60.1
		Pond 2	73.0	43.2	2.79×10^4	0.5	866,340			
		Pond 3	79.4	47.0	1.16×10^4	0.2	867,600			
Mar.	12	Infl.	122.8		5.13×10^6					
		Pond 1	106.8	87.0	9.08×10^4	1.8	1,087,984	.293	37.3	63.5
		Pond 2	77.8	63.4	6.49×10^3	0.1	906,425			
		Pond 3	85.2	69.4	1149	0.02	695,717			
Apr.	30	Infl. Pond 1	201.9		1.96×10^7					
		Pond 1	64.6	32.0	32600	0.2	506,247	.163	44.7	71.6
		Pond 2	17.3	8.6	2858	1.4×10^{-2}	212,164			
		Pond 3	24.7	12.2	2100	1.1×10^{-2}	149,732			
May	7	Infl.	317.4		4.03×10^7					
		Pond 1	47.4	14.9	93400	0.2	212,286	.206	59.1	81.2
		Pond 2	31.9	10.1	2681	7×10^{-3}	506,900			
		Pond 3	27.7	8.7	1690	4×10^{-3}	130,556			

APPENDIX A

TABLE XI. MONTHLY AVERAGED DATA (Continued)
(Suspended Solids, Fecal Coliform, Algal Cell Count, Rainfall, Air Temperature Continued)

Month	No. of Sampling Days	Sampling Location	Suspended Solids $(\frac{mg}{\ell})$	% Remaining	Fecal Coliform	% Remaining	Algal Cell Counts	Rainfall (inches)	°F Air Temperature	
									Min	Max
Jun.	12	Infl.	337.9		7.6×10^{7}					
		Pond 1	52.3	15.5	28150	3.7×10^{-3}	111,058	.116	62.5	85.7
		Pond 2	28.8	8.5	2362	3.1×10^{-3}	76,525			
		Pond 3	30.2	8.9	3197	4.2×10^{-3}	76,316			
Jul.	27	Infl.	352.4		9.48×10^{7}					
		Pond 1	43.5	12.3	61500	.06	82,133	.121	67.5	89.5
		Pond 2	31.4	8.9	4902	5×10^{-3}	38,601			
		Pond 3	55.2	15.7	938	1×10^{-3}	61,429			
Aug.	10	Infl.	321.1		11.63×10^{7}					
		Pond 1	54.9	17.1	120620	0.1	152,843	.209	67.6	87.9
		Pond 2	46.4	14.5	482.2	4×10^{-4}	270,690			
		Pond 3	32.5	10.1	77.2	7×10^{-5}	152,600			
Sept.	3	Infl.	377.0		3.66×10^{6}					
		Pond 1	46.0	12.2	99666	2.72	210,733	.107	56.6	81.4
		Pond 2	41.0	10.9	8176.7	0.2	284,933			
		Pond 3	28.3	7.5	993.3	0.03	293,333			
Oct.	30	Infl.	282.7		6.31×10^{7}					
		Pond 1	32.9	11.6	6.72×10^{5}	1.1	171,684	.212	47.8	75.4
		Pond 2	22.7	8.0	14.6×10^{4}	0.2	197,755			
		Pond 3	22.7	8.0	2974	5×10^{-3}	227,142			
Nov.	4	Infl.	175.5		4.70×10^{7}					
		Pond 1	28.0	16.0	195000	0.4	68,750	.0325	49.5	67.2
		Pond 2	16.0	9.1	5475	0.01	72,025			
		Pond 3	11.5	6.6	1795	4×10^{-3}	95,875			

APPENDIX B

TABULATED DATA

TOTAL FLOW GAL/D I GAL = 3.785L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
2 10 75	999.000			999.000
2 28 75	52000.000			999.000
3 6 75	44650.000			999.000
3 13 75	304820.000			999.000
4 1 75	92323.000			999.000
4 4 75	62040.000			57850.000
4 7 75	999.000			999.000
4 11 75	87144.000			999.000
4 18 75	109040.000			108550.000
4 22 75	75863.000			63600.000
4 25 75	77760.000			55900.000
4 29 75	68565.000			52800.000
5 10 75	140400.000			999.000
5 16 75	145700.000			140000.000
5 28 75	54400.000			59600.000
5 30 75	121800.000			131000.000
5 31 75	113700.000			112300.000
6 1 75	113740.000			999.000
6 4 75	57150.000			46800.000
6 5 75	54050.000			37400.000
6 9 75	34800.000			28100.000
6 13 75	62040.000			999.000
6 18 75	48880.000			999.000
6 20 75	62400.000			999.000
6 23 75	999.000			36050.000
6 25 75	26300.000			999.000
6 28 75	999.000			999.000
6 29 75	25500.000			16000.000
6 30 75	27100.000			15000.000
7 1 75	27900.000			12600.000
7 2 75	63900.000			10400.000
7 3 75	27700.000			12760.000
7 4 75	29426.000			11500.000
7 5 75	30650.000			9500.000
7 6 75	41200.000			12200.000
7 7 75	40400.000			18800.000
7 8 75	35800.000			18900.000
7 9 75	27400.000			17800.000
7 10 75	999.000			999.000
7 11 75	64100.000			153300.000
7 12 75	51200.000			76200.000
7 13 75	75200.000			39600.000
7 14 75	59600.000			999.000
7 15 75	53600.000			21500.000
7 16 75	49000.000			15000.000
7 17 75	55000.000			12400.000
7 18 75	55900.000			11700.000
7 19 75	53800.000			9200.000
7 20 75	63000.000			9900.000
7 21 75	49400.000			11700.000
7 22 75	60200.000			9200.000
7 23 75	54100.000			.000
7 24 75	57300.000			.000
7 25 75	52900.000			.000
7 26 75	53500.000			.000
7 27 75	56400.000			.000
8 20 75	21600.000			17550.000
8 21 75	20210.000			999.000
8 22 75	23000.000			16900.000

TOTAL FLOW GAL/D I GAL = 3.785L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
8 23 75	20000.000			17700.000
8 24 75	23650.000			15700.000
8 25 75	18800.000			20000.000
8 26 75	19600.000			15900.000
8 27 75	18700.000			15600.000
8 28 75	21600.000			13400.000
8 29 75	999.000			999.000
9 28 75	999.000			999.000
9 29 75	57810.000			44200.000
9 30 75	53110.000			44850.000
10 1 75	79400.000			74100.000
10 2 75	74730.000			152750.000
10 3 75	73320.000			80836.000
10 4 75	113670.000			67200.000
10 5 75	113250.000			61150.000
10 6 75	101000.000			59600.000
10 7 75	55930.000			66950.000
10 8 75	53280.000			63100.000
10 9 75	53400.000			61130.000
10 10 75	52640.000			52000.000
10 11 75	61900.000			43400.000
10 12 75	56870.000			49400.000
10 13 75	52000.000			48800.000
10 14 75	59690.000			48100.000
10 15 75	59100.000			44300.000
10 16 75	101760.000			90200.000
10 17 75	999.000			999.000
10 18 75	158400.000			557400.000
10 19 75	117970.000			316500.000
10 20 75	99780.000			171600.000
10 21 75	82250.000			93600.000
10 22 75	76100.000			74700.000
10 23 75	79680.000			68370.000
10 24 75	83860.000			66800.000
10 25 75	93180.000			65100.000
10 26 75	135800.000			93000.000
10 27 75	135800.000			106300.000
10 28 75	51000.000			77300.000
10 29 75	91650.000			70850.000
10 30 75	91160.000			65600.000
10 31 75	84960.000			60400.000
11 1 75	999.000			999.000
11 2 75	999.000			999.000
11 3 75	43800.000			45400.000
11 4 75	70970.000			61750.000

PEAK FLOW GAL/D 1 GAL = 3.785L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
1 25 75	999.000			999.000
1 28 75	999.000			999.000
1 31 75	999.000			999.000
2 1 75	999.000			999.000
2 10 75	999.000			999.000
2 28 75	115060.000			999.000
3 5 75	121820.000			999.000
3 6 75	115060.000			999.000
3 13 75	676800.000			999.000
4 1 75	128592.000			999.000
4 4 75	118440.000			65520.000
4 7 75	999.000			999.000
4 11 75	142128.000			999.000
4 14 75	541440.000			999.000
4 18 75	148896.000			112320.000
4 22 75	140000.000			65520.000
4 23 75	135360.000			999.000
4 24 75	148896.000			55050.000
4 25 75	148896.000			55900.000
4 26 75	250416.000			81120.000
4 27 75	175968.000			74880.000
4 28 75	142128.000			999.000
4 29 75	175968.000			52800.000
4 30 75	257184.000			999.000
5 5 75	182700.000			130000.000
5 6 75	338400.000			150000.000
5 10 75	230100.000			999.000
5 16 75	176000.000			140000.000
5 28 75	121800.000			65520.000
5 30 75	142100.000			187000.000
5 31 75	189500.000			150000.000
6 1 75	304560.000			999.000
6 4 75	121800.000			46800.000
6 5 75	128600.000			37400.000
6 9 75	250400.000			28100.000
6 13 75	135360.000			999.000
6 18 75	128600.000			999.000
6 20 75	128600.000			999.000
6 23 75	999.000			36050.000
6 25 75	128600.000			999.000
6 28 75	999.000			999.000
6 29 75	108300.000			16000.000
6 30 75	135400.000			15000.000
7 1 75	121800.000			12600.000
7 2 75	277500.000			10400.000
7 3 75	128600.000			12760.000
7 4 75	121800.000			11500.000
7 5 75	142100.000			9500.000
7 6 75	135400.000			12200.000
7 7 75	142100.000			18800.000
7 8 75	175970.000			18900.000
7 9 75	115100.000			17800.000
7 10 75	676800.000			999.000
7 11 75	196300.000			243400.000
7 12 75	128600.000			112300.000
7 13 75	148900.000			46800.000
7 14 75	156000.000			999.000
7 15 75	108300.000			21500.000
7 16 75	108000.000			15000.000

PEAK FLOW GAL/D I GAL = 3.785 L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 17 75	115000.000			12400.000
7 18 75	115000.000			11700.000
7 19 75	115000.000			9200.000
7 20 75	122000.000			9900.000
7 21 75	122000.000			11700.000
7 22 75	115100.000			9200.000
7 23 75	121000.000			.000
7 24 75	121000.000			.000
7 25 75	196300.000			.000
7 26 75	121000.000			.000
7 27 75	156000.000			.000
8 20 75	94750.000			17550.000
8 21 75	94750.000			999.000
8 22 75	94700.000			16900.000
8 23 75	108300.000			17700.000
8 24 75	108000.000			15700.000
8 25 75	101000.000			20000.000
8 26 75	81200.000			15900.000
8 27 75	87000.000			15600.000
8 28 75	81000.000			13400.000
8 29 75	999.000			999.000
9 28 75	999.000			999.000
9 29 75	121800.000			44200.000
9 30 75	108000.000			44850.000
10 1 75	365470.000			196560.000
10 2 75	203040.000			187200.000
10 3 75	148900.000			93600.000
10 4 75	223300.000			74880.000
10 5 75	230000.000			61150.000
10 6 75	216600.000			59600.000
10 7 75	216600.000			68000.000
10 8 75	142100.000			63100.000
10 9 75	128600.000			61300.000
10 10 75	128600.000			52000.000
10 11 75	169200.000			43400.000
10 12 75	142100.000			49400.000
10 13 75	135300.000			48800.000
10 14 75	128600.000			48100.000
10 15 75	128600.000			44300.000
10 16 75	460200.000			271400.000
10 17 75	999.000			999.000
10 18 75	236900.000			748800.000
10 19 75	209800.000			402480.000
10 20 75	175900.000			224600.000
10 21 75	148900.000			112300.000
10 22 75	135360.000			74700.000
10 23 75	182700.000			74700.000
10 24 75	155700.000			66800.000
10 25 75	203000.000			65100.000
10 26 75	230000.000			131000.000
10 27 75	230000.000			131000.000
10 28 75	203000.000			84200.000
10 29 75	169200.000			74900.000
10 30 75	236900.000			74900.000
10 31 75	162400.000			60400.000
11 1 75	999.000			999.000
11 2 75	999.000			999.000
11 3 75	142100.000			46800.000
11 4 75	148900.000			84200.000

MINIMUM FLOW GAL/D I GAL = 3.785L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
1 19 75	21122.000			67250.000
1 22 75	33320.000			67250.000
1 25 75	999.000			999.000
1 28 75	999.000			999.000
2 1 75	999.000			999.000
2 10 75	999.000			999.000
2 28 75	27070.000			999.000
3 5 75	27070.000			999.000
3 6 75	27070.000			999.000
3 13 75	47380.000			999.000
4 1 75	33840.000			999.000
4 4 75	33840.000			37440.000
4 7 75	999.000			999.000
4 11 75	33840.000			999.000
4 12 75	27072.000			999.000
4 13 75	27072.000			999.000
4 14 75	40608.000			999.000
4 15 75	128592.000			999.000
4 16 75	67680.000			177840.000
4 17 75	60912.000			102960.000
4 18 75	54144.000			93600.000
4 19 75	67680.000			84240.000
4 20 75	54144.000			93600.000
4 21 75	54144.000			37440.000
4 22 75	40608.000			46800.000
4 23 75	40608.000			999.000
4 24 75	40608.000			55050.000
4 25 75	33840.000			55900.000
4 26 75	33840.000			81120.000
4 27 75	40608.000			46800.000
4 28 75	40608.000			999.000
4 29 75	33840.000			52800.000
4 30 75	47376.000			999.000
5 5 75	60900.000			100000.000
5 6 75	33800.000			130000.000
5 10 75	67700.000			999.000
5 16 75	67700.000			131000.000
5 28 75	27000.000			37400.000
5 31 75	47400.000			103000.000
6 1 75	40600.000			999.000
6 4 75	20300.000			46800.000
6 5 75	27100.000			37400.000
6 9 75	27000.000			28100.000
6 13 75	33840.000			999.000
6 18 75	33840.000			999.000
6 20 75	33840.000			999.000
6 23 75	999.000			36050.000
6 25 75	33800.000			999.000
6 28 75	999.000			999.000
6 29 75	20000.000			16000.000
6 30 75	20000.000			15000.000
7 1 75	20300.000			12600.000
7 2 75	27000.000			10400.000
7 3 75	20300.000			12760.000
7 4 75	13500.000			11500.000
7 5 75	20300.000			9500.000
7 6 75	20300.000			12200.000
7 7 75	27100.000			18800.000
7 8 75	20000.000			18900.000

MINIMUM FLOW GAL/D I GAL = 3.785L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 9 75	20000.000			17800.000
7 10 75	40600.000			999.000
7 11 75	33800.000			112300.000
7 12 75	33800.000			46800.000
7 13 75	40600.000			28000.000
7 14 75	33800.000			999.000
7 15 75	33800.000			21500.000
7 16 75	34000.000			15000.000
7 17 75	34000.000			12400.000
7 18 75	34000.000			11700.000
7 19 75	34000.000			9200.000
7 20 75	40000.000			9900.000
7 21 75	33000.000			11700.000
7 22 75	41000.000			9200.000
7 23 75	33800.000			.000
7 24 75	33800.000			.000
7 25 75	33800.000			.000
7 26 75	33800.000			.000
7 27 75	33800.000			.000
8 20 75	13500.000			17550.000
8 21 75	13500.000			999.000
8 22 75	13500.000			16900.000
8 23 75	13500.000			17700.000
8 24 75	13500.000			15700.000
8 25 75	13500.000			20000.000
8 26 75	13500.000			15900.000
8 27 75	14000.000			15600.000
8 28 75	14000.000			13400.000
8 29 75	999.000			999.000
9 28 75	999.000			999.000
9 29 75	20300.000			44200.000
9 30 75	13500.000			44850.000
10 1 75	13530.000			18720.000
10 2 75	13500.000			93600.000
10 3 75	13500.000			56160.000
10 4 75	54100.000			46800.000
10 5 75	54140.000			61150.000
10 6 75	54000.000			59600.000
10 7 75	13500.000			66000.000
10 8 75	13500.000			63100.000
10 9 75	13500.000			61100.000
10 10 75	13500.000			52000.000
10 11 75	13500.000			43400.000
10 12 75	20300.000			49400.000
10 13 75	13500.000			48800.000
10 14 75	13500.000			48100.000
10 15 75	13500.000			44300.000
10 16 75	20300.000			44300.000
10 17 75	999.000			999.000
10 18 75	54100.000			402500.000
10 19 75	40600.000			224600.000
10 20 75	33800.000			121600.000
10 21 75	27100.000			84200.000
10 22 75	27100.000			74700.000
10 23 75	27100.000			56100.000
10 24 75	20300.000			66800.000
10 25 75	33800.000			65100.000
10 26 75	54100.000			46800.000
10 27 75	54000.000			84200.000

MINIMUM FLOW GAL/D I GAL = 3.785L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 28 75	33800.000			65500.000
10 29 75	33800.000			56160.000
10 30 75	33800.000			56160.000
10 31 75	27100.000			60400.000
11 1 75	999.000			999.000
11 2 75	999.000			999.000
11 3 75	13500.000			37400.000
11 4 75	20300.000			37400.000

TOTAL BOD5 MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	192.000	21.000	27.000	83.000
11 7 74	148.000	22.000	34.000	26.000
11 10 74	147.000	25.000	22.000	30.000
11 20 74	200.000	27.000	23.000	22.000
11 25 74	301.000	22.000	26.000	20.000
11 30 74	213.000	23.000	19.000	13.000
12 2 74	176.000	21.000	17.000	13.000
12 7 74	354.000	25.000	20.000	11.000
12 11 74	160.000	25.000	17.000	12.000
12 14 74	135.000	26.000	17.000	9.600
12 15 74	285.000	29.000	17.000	26.000
12 18 74	93.000	24.000	17.000	13.000
12 21 74	216.000	27.000	20.000	14.000
12 22 74	157.000	25.000	15.000	16.000
12 26 74	74.000	20.000	14.000	12.000
12 30 74	65.000	17.000	15.000	12.000
1 2 75	73.000	19.000	17.000	14.000
1 3 75	104.000	18.000	16.000	18.000
1 4 75	98.000	19.000	20.000	16.000
1 5 75	66.000	20.000	19.000	17.000
1 6 75	106.000	23.000	21.000	22.000
1 7 75	107.000	23.000	20.000	19.000
1 8 75	70.000	21.000	20.000	17.000
1 9 75	79.000	21.000	19.000	18.000
1 10 75	97.500	19.700	18.300	18.000
1 11 75	72.000	19.700	20.500	17.400
1 12 75	112.000	23.900	20.600	17.500
1 13 75	49.500	21.000	19.400	21.200
1 14 75	62.000	19.000	19.700	18.800
1 15 75	49.500	18.700	20.000	14.900
1 16 75	120.000	19.800	18.600	20.400
1 18 75	86.000	18.000	18.200	19.600
1 19 75	130.000	20.000	18.000	18.000
1 20 75	163.000	22.000	21.000	20.000
1 21 75	63.000	18.000	15.000	16.000
1 22 75	148.000	24.000	16.000	22.000
1 23 75	138.000	28.000	22.000	22.000
1 24 75	100.000	21.000	18.000	23.000
1 25 75	185.000	22.000	19.000	22.000
1 26 75	209.000	24.000	29.000	22.000
1 27 75	79.000	18.000	17.000	18.000
1 28 75	117.000	25.000	18.000	18.000
1 29 75	83.000	24.000	30.000	21.000
1 30 75	97.000	21.000	17.000	17.000
1 31 75	209.000	20.000	17.000	19.000
2 1 75	155.000	23.000	18.000	21.000
2 6 75	38.000	16.000	14.000	14.000
2 7 75	68.000	19.000	20.000	16.000
2 10 75	333.000	23.000	21.000	20.000
2 28 75	79.000	19.000	14.000	13.000
3 1 75	104.000	26.000	20.000	18.000
3 3 75	84.000	22.000	18.000	21.000
3 5 75	127.000	29.000	21.000	16.000
3 6 75	165.000	29.000	21.000	19.000
3 7 75	137.000	23.000	14.000	12.000
3 9 75	108.000	41.000	18.000	16.000
3 11 75	128.000	27.000	22.000	19.000
3 13 75	51.000	26.000	17.000	17.000
3 18 75	38.000	22.000	14.000	16.000

TOTAL BOD5 MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	39.000	27.000	20.000	20.000
3 21 75	95.000	24.000	24.000	24.000
3 22 75	190.000	24.000	14.000	14.000
4 1 75	170.000	19.000	14.000	11.000
4 2 75	309.000	18.000	11.000	13.000
4 3 75	465.000	18.000	10.000	6.000
4 4 75	438.000	25.000	10.000	8.000
4 5 75	468.000	22.000	5.000	3.600
4 6 75	371.000	22.000	6.400	10.000
4 7 75	136.000	18.000	2.700	2.800
4 8 75	190.000	20.000	4.000	3.200
4 9 75	117.000	22.000	4.400	4.300
4 10 75	75.000	20.000	6.100	4.100
4 11 75	137.000	28.000	15.000	14.000
4 12 75	165.000	34.000	5.200	4.300
4 13 75	146.000	18.000	3.600	3.000
4 14 75	56.000	13.000	4.000	3.900
4 15 75	85.000	17.000	10.000	4.100
4 16 75	97.000	15.000	9.000	4.700
4 17 75	139.000	8.000	5.000	3.100
4 18 75	120.000	8.100	3.500	4.300
4 19 75	153.000	5.700	3.000	3.100
4 20 75	147.000	7.000	2.800	3.400
4 21 75	107.000	6.100	3.000	4.500
4 22 75	116.000	10.000	3.900	5.300
4 23 75	83.000	5.400	4.000	5.900
4 24 75	180.000	13.000	3.800	7.100
4 25 75	93.000	8.000	2.900	6.600
4 26 75	322.000	14.000	4.200	8.400
4 27 75	235.000	12.000	4.500	11.000
4 28 75	127.000	14.000	6.700	14.000
4 29 75	258.000	14.000	7.600	12.000
4 30 75	110.000	13.000	8.800	13.000
5 5 75	188.000	17.000	18.000	18.000
5 6 75	77.000	16.000	17.000	11.000
5 10 75	122.000	14.000	10.000	8.000
5 16 75	161.000	12.000	7.000	7.300
5 28 75	220.000	24.000	16.000	10.000
5 30 75	116.000	21.000	10.000	8.000
5 31 75	96.000	15.000	9.000	9.700
6 1 75	93.000	15.000	10.000	3.300
6 4 75	280.000	19.000	27.000	21.000
6 5 75	370.000	20.000	14.000	13.000
6 9 75	246.000	16.000	13.000	8.000
6 13 75	201.000	20.000	12.000	11.000
6 18 75	208.000	39.000	30.000	31.000
6 20 75	357.000	21.000	16.000	30.000
6 23 75	411.000	17.000	30.000	40.000
6 25 75	231.000	21.000	16.000	30.000
6 28 75	324.000	50.000	22.000	19.000
6 29 75	327.000	45.000	19.000	20.000
6 30 75	282.000	24.000	19.000	25.000
7 1 75	228.000	25.000	19.000	28.000
7 2 75	480.000	31.000	18.000	33.000
7 3 75	175.000	25.000	17.000	33.000
7 4 75	228.000	23.000	19.000	40.000
7 5 75	375.000	24.000	31.000	44.000
7 6 75	267.000	19.000	17.000	40.000
7 7 75	351.000	21.000	26.000	33.000

TOTAL BOD5 MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	203.000	34.000	32.000	41.000
7 9 75	284.000	28.000	17.000	53.000
7 10 75	339.000	25.000	13.000	52.000
7 11 75	231.000	26.000	20.000	27.000
7 12 75	300.000	30.000	18.000	34.000
7 13 75	351.000	31.000	26.000	30.000
7 14 75	190.000	24.000	14.000	29.000
7 15 75	291.000	18.000	18.000	40.000
7 16 75	306.000	31.000	15.000	41.000
7 17 75	160.000	19.000	13.000	25.000
7 18 75	339.000	27.000	17.000	40.000
7 19 75	318.000	24.000	17.000	28.000
7 20 75	333.000	20.000	18.000	25.000
7 21 75	265.000	22.000	21.000	25.000
7 22 75	324.000	26.000	24.000	29.000
7 23 75	220.000	23.000	15.000	17.000
7 24 75	160.000	23.000	18.000	29.000
7 25 75	250.000	25.000	33.000	40.000
7 26 75	297.000	26.000	21.000	26.000
7 27 75	252.000	18.000	12.000	31.000
8 20 75	483.000	34.000	26.000	25.000
8 21 75	318.000	30.000	29.000	21.000
8 22 75	351.000	39.000	23.000	17.000
8 23 75	348.000	32.000	20.000	18.000
8 24 75	246.000	22.000	34.000	37.000
8 25 75	215.000	16.000	20.000	17.000
8 26 75	309.000	20.000	18.000	14.000
8 27 75	279.000	23.000	15.000	15.000
8 28 75	357.000	49.000	42.000	20.000
8 29 75	306.000	41.000	32.000	26.000
9 28 75	291.000	18.000	14.000	10.000
9 29 75	384.000	14.000	13.000	11.000
9 30 75	228.000	14.000	17.000	12.000
10 1 75	300.000	17.000	14.000	11.000
10 2 75	110.000	16.000	12.000	11.000
10 3 75	255.000	17.000	16.000	12.000
10 4 75	234.000	18.000	12.000	12.000
10 5 75	280.000	18.000	10.000	9.600
10 6 75	297.000	15.000	15.000	12.000
10 7 75	252.000	15.000	14.000	4.100
10 8 75	231.000	20.000	19.000	10.000
10 9 75	297.000	22.000	18.000	11.000
10 10 75	315.000	14.000	10.000	9.500
10 11 75	297.000	25.000	12.000	12.000
10 12 75	285.000	18.000	12.000	11.000
10 13 75	279.000	22.000	13.000	12.000
10 14 75	372.000	13.000	7.200	8.000
10 15 75	234.000	15.000	8.300	11.000
10 16 75	126.000	12.000	8.300	5.600
10 17 75	105.000	15.000	12.000	8.600
10 18 75	132.000	10.000	6.800	6.500
10 19 75	164.000	10.000	10.000	14.000
10 20 75	183.000	13.000	13.000	11.000
10 21 75	173.000	13.000	13.000	11.000
10 22 75	399.000	18.000	13.000	12.000
10 23 75	210.000	18.000	13.000	11.000
10 24 75	402.000	18.000	11.000	11.000
10 25 75	227.000	15.000	9.600	9.300
10 26 75	390.000	16.000	8.700	9.800

TOTAL BOD5 MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	219.000	15.000	7.500	8.300
10 28 75	288.000	16.000	7.700	9.000
10 29 75	176.000	21.000	7.900	8.000
10 30 75	173.000	20.000	8.300	8.100
10 31 75	264.000	18.000	8.900	6.600
11 1 75	167.000	15.000	9.600	7.800
11 2 75	246.000	14.000	7.100	6.300
11 3 75	183.000	15.000	8.000	10.000
11 4 75	203.000	12.000	6.600	6.200

SOLUBLE BOD5 MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	77.000	7.700	4.800	17.000
11 7 74	71.000	5.100	4.200	8.000
11 10 74	26.000	5.400	3.400	4.400
11 20 74	39.000	4.100	3.600	4.600
11 25 74	65.000	4.900	4.800	4.600
11 30 74	61.000	4.700	4.100	4.400
12 2 74	61.000	3.200	2.500	2.400
12 7 74	21.000	3.700	2.400	2.500
12 11 74	70.000	3.900	3.300	3.000
12 14 74	48.000	3.200	2.200	2.200
12 15 74	38.000	4.900	3.200	3.300
12 18 74	44.000	3.400	2.100	2.800
12 21 74	86.000	3.900	2.800	2.900
12 22 74	118.000	4.300	2.200	2.700
12 26 74	18.000	3.400	2.000	2.500
12 30 74	13.000	2.600	2.100	2.500
1 2 75	23.000	3.700	2.500	3.700
1 3 75	41.000	3.000	[illegible]	2.900
1 4 75	44.000	2.700	2.200	2.500
1 5 75	33.000	2.300	1.800	2.200
1 6 75	47.000	2.900	2.500	2.200
1 7 75	49.000	3.000	2.500	1.800
1 8 75	21.000	5.900	4.700	4.000
1 9 75	21.000	4.400	2.400	2.400
1 10 75	23.400	3.300	1.900	2.600
1 11 75	17.800	3.150	1.700	1.900
1 12 75	30.000	3.200	3.300	2.800
1 13 75	17.700	3.400	2.400	2.900
1 14 75	28.200	3.500	3.000	2.900
1 15 75	25.200	4.500	3.200	2.200
1 16 75	37.700	3.200	3.000	3.100
1 18 75	20.000	3.800	3.400	3.300
1 19 75	32.000	3.400	2.400	2.500
1 20 75	71.000	5.100	3.700	3.000
1 21 75	17.000	2.200	1.900	2.000
1 22 75	53.000	3.900	3.200	4.700
1 23 75	58.000	5.800	4.100	3.600
1 24 75	29.000	2.900	2.400	2.800
1 25 75	70.000	2.700	2.200	2.000
1 26 75	71.000	2.200	2.600	2.100
1 27 75	24.000	2.000	1.400	4.600
1 28 75	30.000	2.600	1.700	2.200
1 29 75	26.000	3.200	2.500	4.700
1 30 75	30.000	2.500	1.700	2.800
1 31 75	51.000	2.900	2.400	3.900
2 1 75	61.000	3.800	3.000	3.600
2 6 75	13.000	2.200	1.800	1.400
2 7 75	27.000	2.300	2.200	1.800
2 10 75	120.000	3.100	2.300	3.000
2 28 75	27.000	1.600	1.200	2.100
3 1 75	43.000	2.300	3.000	2.400
3 3 75	42.000	2.500	2.400	3.100
3 5 75	59.000	2.900	2.600	1.400
3 6 75	65.000	3.100	2.800	2.500
3 7 75	50.000	2.200	1.900	1.800
3 9 75	51.000	5.800	3.400	2.700
3 11 75	42.000	3.100	2.500	2.200
3 13 75	22.000	3.200	2.600	2.800
3 18 75	12.000	3.400	2.500	2.500

SOLUBLE BOD5 MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	16.000	3.200	2.200	3.000
3 21 75	42.000	3.400	2.600	2.700
3 22 75	26.000	3.100	2.500	2.500
4 1 75	31.000	4.200	2.400	2.900
4 2 75	28.000	1.400	2.300	2.800
4 3 75	72.000	2.100	2.900	2.900
4 4 75	43.000	2.900	2.900	3.000
4 5 75	76.000	2.100	3.500	3.000
4 6 75	73.000	1.700	4.700	2.800
4 7 75	43.000	1.800	2.000	2.100
4 8 75	88.000	2.500	3.400	2.700
4 9 75	26.000	2.100	3.400	2.700
4 10 75	19.000	2.500	3.000	3.200
4 11 75	39.000	2.600	3.600	3.400
4 12 75	51.000	2.400	3.400	3.100
4 13 75	41.000	1.500	2.100	1.900
4 14 75	11.000	2.000	3.400	2.400
4 15 75	35.000	2.400	3.400	2.800
4 16 75	27.000	2.700	3.600	3.300
4 17 75	37.000	2.800	3.300	2.700
4 18 75	50.000	3.700	2.900	3.500
4 19 75	75.000	2.900	1.900	2.400
4 20 75	52.000	3.300	2.700	2.200
4 21 75	37.000	4.100	2.700	3.000
4 22 75	60.000	4.500	3.100	3.300
4 23 75	40.000	5.200	2.900	3.700
4 24 75	60.000	5.800	3.800	5.300
4 25 75	30.000	4.300	2.400	3.900
4 26 75	119.000	5.100	3.100	3.600
4 27 75	126.000	5.800	3.500	4.200
4 28 75	70.000	7.000	4.100	3.000
4 29 75	124.000	5.900	3.000	2.400
4 30 75	52.000	4.500	3.100	3.300
5 5 75	52.000	5.900	4.400	4.400
5 6 75	23.000	4.700	2.700	2.800
5 10 75	21.000	5.700	3.000	2.700
5 16 75	21.000	6.000	4.000	3.700
5 28 75	80.000	5.500	4.700	4.400
5 30 75	32.000	4.000	2.900	2.600
5 31 75	29.000	4.700	2.700	2.100
6 1 75	32.000	3.600	2.200	2.000
6 4 75	89.000	6.000	3.200	3.300
6 5 75	91.000	4.600	3.300	2.200
6 9 75	44.000	3.900	1.700	1.800
6 13 75	72.000	2.300	1.900	2.600
6 18 75	72.000	4.400	3.500	3.700
6 20 75	62.000	5.800	3.200	3.900
6 23 75	83.000	5.900	4.100	3.500
6 25 75	93.000	3.000	4.300	4.000
6 28 75	110.000	5.100	3.500	5.200
6 29 75	116.000	6.500	4.400	5.800
6 30 75	98.000	9.000	5.000	4.700
7 1 75	110.000	5.100	4.300	4.800
7 2 75	98.000	5.700	4.700	5.500
7 3 75	53.000	4.700	3.700	4.000
7 4 75	107.000	6.500	3.700	4.600
7 5 75	113.000	5.400	3.800	4.600
7 6 75	109.000	5.100	3.400	4.600
7 7 75	113.000	4.900	3.500	5.100

SOLUBLE BOD5 MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	98.000	7.800	4.300	4.800
7 9 75	114.000	5.800	3.800	5.000
7 10 75	99.000	6.100	2.800	9.800
7 11 75	102.000	6.700	4.400	3.900
7 12 75	104.000	6.900	4.100	4.000
7 13 75	60.000	5.700	4.700	3.900
7 14 75	59.000	2.900	2.100	2.500
7 15 75	80.000	4.000	3.500	3.900
7 16 75	94.000	5.400	2.500	3.000
7 17 75	108.000	6.500	4.100	2.100
7 18 75	94.000	7.100	6.800	5.600
7 19 75	81.000	1.800	3.600	2.900
7 20 75	63.000	7.500	4.500	3.400
7 21 75	101.000	7.000	6.600	2.800
7 22 75	114.000	7.600	5.200	4.400
7 23 75	91.000	6.000	4.300	3.100
7 24 75	115.000	5.700	5.200	3.500
7 25 75	116.000	8.600	6.700	4.800
7 26 75	95.000	9.700	5.500	3.000
7 27 75	109.000	6.200	2.800	3.200
8 20 75	105.000	5.600	3.700	4.400
8 21 75	72.000	5.400	3.800	2.700
8 22 75	96.000	8.200	4.900	3.700
8 23 75	90.000	8.000	4.200	3.300
8 24 75	126.000	6.500	4.600	4.200
8 25 75	58.000	7.100	3.100	3.100
8 26 75	95.000	6.500	2.400	2.100
8 27 75	89.000	8.700	3.400	3.100
8 28 75	100.000	11.000	6.000	5.400
8 29 75	129.000	6.700	6.200	5.100
9 28 75	63.000	2.400	2.700	2.000
9 29 75	82.000	3.600	2.600	5.100
9 30 75	77.000	2.900	4.500	2.600
10 1 75	96.000	2.900	1.800	2.500
10 2 75	18.000	3.300	2.600	2.600
10 3 75	95.000	4.800	4.300	3.800
10 4 75	88.000	4.100	5.000	2.700
10 5 75	74.000	3.300	4.100	2.100
10 6 75	82.000	3.100	3.800	2.700
10 7 75	116.000	3.400	4.100	1.900
10 8 75	91.000	4.300	5.000	2.700
10 9 75	90.000	4.300	5.400	2.500
10 10 75	111.000	4.000	4.100	2.600
10 11 75	101.000	3.700	4.100	2.600
10 12 75	81.000	5.300	4.000	2.700
10 13 75	92.000	6.200	4.000	2.900
10 14 75	101.000	6.000	2.900	2.000
10 15 75	77.000	6.100	2.400	2.000
10 16 75	68.000	5.200	2.200	1.000
10 17 75	18.000	5.600	3.400	2.200
10 18 75	53.000	3.900	2.300	1.300
10 19 75	59.000	4.600	2.800	2.400
10 20 75	47.000	3.500	2.700	2.700
10 21 75	69.000	3.400	3.200	3.100
10 22 75	86.000	5.100	3.200	2.800
10 23 75	73.000	3.900	3.500	2.400
10 24 75	92.000	4.200	3.400	3.100
10 25 75	74.000	3.500	2.800	2.300
10 26 75	84.000	3.400	2.700	2.400

SOLUBLE BOD5 MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	44.000	3.000	2.800	2.000
10 28 75	53.000	3.400	2.300	2.100
10 29 75	58.000	4.300	2.600	2.400
10 30 75	60.000	5.600	2.200	2.400
10 31 75	83.000	5.000	2.700	1.600
11 1 75	85.000	3.800	2.600	2.500
11 2 75	95.000	3.400	2.200	2.200
11 3 75	75.000	3.600	2.400	2.000
11 4 75	62.000	2.400	2.200	2.000

TOTAL COD MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	315.000	143.000	182.000	280.000
11 7 74	372.000	173.000	207.000	182.000
11 10 74	244.000	176.000	168.000	208.000
11 20 74	164.000	121.000	121.000	133.000
11 25 74	141.000	94.000	121.000	142.000
11 30 74	286.000	121.000	131.000	141.000
12 2 74	218.000	119.000	131.000	150.000
12 7 74	806.000	151.000	160.000	150.000
12 11 74	277.000	131.000	141.000	152.000
12 14 74	257.000	137.000	150.000	158.000
12 15 74	569.000	131.000	142.000	157.000
12 18 74	162.000	129.000	123.000	138.000
12 21 74	281.000	110.000	121.000	139.000
12 22 74	498.000	121.000	121.000	141.000
12 26 74	114.000	110.000	104.000	131.000
12 30 74	143.000	92.000	81.000	100.000
1 2 75	121.000	94.000	94.000	102.000
1 3 75	189.000	121.000	131.000	107.000
1 4 75	294.000	110.000	116.000	112.000
1 5 75	187.000	119.000	115.000	104.000
1 6 75	199.000	100.000	104.000	114.000
1 7 75	175.000	114.000	121.000	83.000
1 8 75	42.000	107.000	121.000	100.000
1 9 75	168.000	102.000	121.000	104.000
1 10 75	104.000	123.000	123.000	116.000
1 11 75	180.000	127.000	127.000	123.000
1 12 75	276.000	133.000	123.000	116.000
1 13 75	87.000	142.000	134.000	133.000
1 14 75	110.000	102.000	95.000	94.000
1 15 75	103.000	119.000	122.000	114.000
1 16 75	148.000	111.000	105.000	110.000
1 18 75	148.000	105.000	118.000	111.000
1 19 75	332.000	119.000	117.000	117.000
1 20 75	253.000	102.000	116.000	118.000
1 21 75	110.000	129.000	120.000	126.000
1 22 75	246.000	125.000	124.000	120.000
1 23 75	177.000	111.000	115.000	121.000
1 24 75	134.000	129.000	119.000	134.000
1 25 75	404.000	110.000	199.000	198.000
1 26 75	459.000	199.000	142.000	110.000
1 27 75	187.000	129.000	140.000	142.000
1 28 75	160.000	118.000	165.000	105.000
1 29 75	191.000	128.000	158.000	123.000
1 30 75	49.000	123.000	112.000	104.000
1 31 75	669.000	120.000	108.000	111.000
2 1 75	370.000	127.000	97.000	104.000
2 6 75	97.000	101.000	116.000	110.000
2 7 75	64.000	141.000	128.000	49.000
2 10 75	388.000	135.000	117.000	107.000
2 28 75	222.000	136.000	33.000	122.000
3 1 75	155.000	138.000	119.000	119.000
3 3 75	133.000	138.000	130.000	116.000
3 5 75	208.000	167.000	140.000	114.000
3 6 75	296.000	165.000	131.000	119.000
3 7 75	281.000	175.000	127.000	117.000
3 9 75	207.000	176.000	136.000	119.000
3 11 75	231.000	176.000	138.000	118.000
3 13 75	136.000	169.000	117.000	100.000
3 18 75	96.000	153.000	109.000	97.000

TOTAL COD MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	60.000	165.000	126.000	107.000
3 21 75	615.000	176.000	105.000	109.000
3 22 75	276.000	175.000	111.000	88.000
4 1 75	525.000	144.000	56.000	46.000
4 2 75	951.000	129.000	56.000	53.000
4 3 75	1120.000	126.000	59.000	39.000
4 4 75	1440.000	145.000	51.000	45.000
4 5 75	2010.000	165.000	59.000	31.000
4 6 75	1350.000	146.000	49.000	40.000
4 7 75	319.000	145.000	49.000	42.000
4 8 75	338.000	140.000	49.000	38.000
4 9 75	376.000	151.000	40.000	39.000
4 10 75	172.000	137.000	59.000	42.000
4 11 75	217.000	130.000	74.000	70.000
4 12 75	307.000	130.000	61.000	63.000
4 13 75	338.000	113.000	67.000	60.000
4 14 75	169.000	101.000	46.000	59.000
4 15 75	151.000	87.000	35.000	81.000
4 16 75	109.000	71.000	71.000	57.000
4 17 75	298.000	64.000	62.000	45.000
4 18 75	197.000	40.000	43.000	33.000
4 19 75	308.000	46.000	47.000	37.000
4 20 75	254.000	88.000	48.000	37.000
4 21 75	227.000	49.000	27.000	37.000
4 22 75	312.000	72.000	53.000	63.000
4 23 75	199.000	72.000	70.000	71.000
4 24 75	379.000	139.000	54.000	81.000
4 25 75	274.000	61.000	58.000	81.000
4 26 75	459.000	77.000	21.000	65.000
4 27 75	419.000	70.000	26.000	74.000
4 28 75	307.000	100.000	32.000	84.000
4 29 75	384.000	80.000	40.000	70.000
4 30 75	193.000	85.000	51.000	86.000
5 5 75	407.000	177.000	96.000	102.000
5 6 75	333.000	124.000	73.000	60.000
5 10 75	389.000	80.000	73.000	64.000
5 16 75	472.000	64.000	73.000	68.000
5 28 75	372.000	73.000	73.000	45.000
5 30 75	41.000	55.000	73.000	34.000
5 31 75	169.000	55.000	57.000	59.000
6 1 75	165.000	41.000	26.000	27.000
6 4 75	391.000	45.000	55.000	55.000
6 5 75	598.000	49.000	60.000	50.000
6 9 75	681.000	91.000	85.000	59.000
6 13 75	539.000	75.000	67.000	57.000
6 18 75	336.000	99.000	72.000	89.000
6 20 75	1040.000	84.000	66.000	88.000
6 23 75	1240.000	79.000	71.000	94.000
6 25 75	758.000	93.000	79.000	91.000
6 28 75	685.000	174.000	96.000	86.000
6 29 75	649.000	117.000	88.000	85.000
6 30 75	449.000	115.000	86.000	92.000
7 1 75	389.000	98.000	88.000	95.000
7 2 75	1870.000	102.000	114.000	84.000
7 3 75	352.000	123.000	88.000	106.000
7 4 75	502.000	103.000	91.000	110.000
7 5 75	750.000	102.000	98.000	109.000
7 6 75	676.000	101.000	102.000	100.000
7 7 75	384.000	91.000	66.000	117.000

TOTAL COD MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	219.000	395.000	96.000	96.000
7 9 75	566.000	94.000	90.000	88.000
7 10 75	543.000	85.000	63.000	108.000
7 11 75	359.000	107.000	88.000	94.000
7 12 75	425.000	112.000	86.000	100.000
7 13 75	640.000	121.000	99.000	98.000
7 14 75	434.000	121.000	119.000	121.000
7 15 75	487.000	100.000	102.000	151.000
7 16 75	509.000	117.000	97.000	158.000
7 17 75	284.000	116.000	102.000	143.000
7 18 75	945.000	126.000	100.000	166.000
7 19 75	923.000	127.000	106.000	137.000
7 20 75	511.000	103.000	105.000	129.000
7 21 75	541.000	105.000	102.000	126.000
7 22 75	491.000	111.000	99.000	118.000
7 23 75	904.000	133.000	108.000	111.000
7 24 75	580.000	123.000	106.000	156.000
7 25 75	485.000	115.000	131.000	154.000
7 26 75	670.000	117.000	112.000	129.000
7 27 75	1470.000	131.000	116.000	166.000
8 20 75	1056.000	149.000	123.000	124.000
8 21 75	816.000	133.000	128.000	119.000
8 22 75	960.000	147.000	125.000	116.000
8 23 75	608.000	140.000	120.000	112.000
8 24 75	744.000	128.000	112.000	116.000
8 25 75	563.000	121.000	123.000	121.000
8 26 75	830.000	132.000	109.000	93.000
8 27 75	726.000	131.000	104.000	96.000
8 28 75	621.000	159.000	141.000	111.000
8 29 75	536.000	157.000	118.000	113.000
9 28 75	766.000	59.000	88.000	93.000
9 29 75	324.000	49.000	90.000	999.000
9 30 75	625.000	49.000	59.000	44.000
10 1 75	344.000	102.000	114.000	109.000
10 2 75	373.000	74.000	103.000	103.000
10 3 75	560.000	120.000	116.000	108.000
10 4 75	521.000	84.000	106.000	113.000
10 5 75	786.000	163.000	107.000	108.000
10 6 75	511.000	54.000	105.000	114.000
10 7 75	530.000	59.000	112.000	102.000
10 8 75	711.000	358.000	120.000	100.000
10 9 75	609.000	118.000	111.000	97.000
10 10 75	688.000	79.000	94.000	95.000
10 11 75	511.000	117.000	92.000	86.000
10 12 75	462.000	96.000	94.000	88.000
10 13 75	548.000	97.000	87.000	89.000
10 14 75	853.000	99.000	74.000	85.000
10 15 75	520.000	106.000	88.000	94.000
10 16 75	424.000	111.000	90.000	87.000
10 17 75	400.000	120.000	94.000	97.000
10 18 75	360.000	94.000	95.000	91.000
10 19 75	360.000	86.000	83.000	102.000
10 20 75	369.000	111.000	95.000	90.000
10 21 75	405.000	93.000	103.000	85.000
10 22 75	940.000	102.000	94.000	86.000
10 23 75	378.000	96.000	92.000	73.000
10 24 75	651.000	94.000	94.000	88.000
10 25 75	405.000	96.000	89.000	82.000
10 26 75	873.000	96.000	87.000	91.000

TOTAL COD MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	543.000	95.000	84.000	91.000
10 28 75	591.000	100.000	84.000	84.000
10 29 75	337.000	101.000	81.000	83.000
10 30 75	349.000	110.000	92.000	95.000
10 31 75	663.000	111.000	90.000	86.000
11 1 75	395.000	105.000	91.000	88.000
11 2 75	511.000	100.000	90.000	83.000
11 3 75	507.000	105.000	87.000	83.000
11 4 75	417.000	97.000	85.000	81.000

SOLUBLE COD MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	999.000	84.000	87.000	124.000
11 7 74	133.000	71.000	85.000	116.000
11 10 74	64.000	70.000	81.000	110.000
11 20 74	114.000	61.000	80.000	111.000
11 25 74	126.000	59.000	71.000	103.000
11 30 74	134.000	60.000	78.000	106.000
12 2 74	129.000	55.000	74.000	114.000
12 7 74	62.000	60.000	77.000	97.000
12 11 74	123.000	56.000	74.000	96.000
12 14 74	125.000	53.000	73.000	91.000
12 15 74	85.000	57.000	71.000	92.000
12 18 74	89.000	55.000	68.000	90.000
12 21 74	53.000	50.000	66.000	88.000
12 22 74	246.000	49.000	63.000	87.000
12 26 74	46.000	48.000	60.000	81.000
12 30 74	48.000	37.000	56.000	63.000
1 2 75	53.000	43.000	50.000	59.000
1 3 75	103.000	41.000	51.000	57.000
1 4 75	111.000	39.000	126.000	115.000
1 5 75	72.000	39.000	46.000	55.000
1 6 75	63.000	22.000	28.000	35.000
1 7 75	103.000	40.000	49.000	53.000
1 8 75	48.000	45.000	49.000	52.000
1 9 75	54.000	59.000	52.000	56.000
1 10 75	56.000	40.000	42.000	51.000
1 11 75	53.000	43.000	44.000	47.000
1 12 75	129.000	42.000	47.000	52.000
1 13 75	43.000	40.000	43.000	51.000
1 14 75	61.000	37.000	45.000	49.000
1 15 75	32.000	97.000	51.000	49.000
1 16 75	84.000	38.000	45.000	48.000
1 18 75	49.000	44.000	49.000	52.000
1 19 75	65.000	41.000	43.000	48.000
1 20 75	106.000	44.000	47.000	45.000
1 21 75	43.000	35.000	37.000	40.000
1 22 75	93.000	38.000	39.000	47.000
1 23 75	100.000	43.000	38.000	45.000
1 24 75	58.000	33.000	38.000	41.000
1 25 75	139.000	37.000	39.000	40.000
1 26 75	155.000	35.000	39.000	42.000
1 27 75	124.000	39.000	39.000	51.000
1 28 75	84.000	36.000	39.000	42.000
1 29 75	60.000	41.000	40.000	52.000
1 30 75	63.000	38.000	999.000	44.000
1 31 75	136.000	41.000	45.000	52.000
2 1 75	139.000	38.000	38.000	43.000
2 6 75	39.000	32.000	40.000	35.000
2 7 75	35.000	48.000	30.000	95.000
2 10 75	110.000	28.000	38.000	27.000
2 28 75	84.000	27.000	27.000	32.000
3 1 75	82.000	29.000	32.000	33.000
3 3 75	78.000	27.000	32.000	27.000
3 5 75	110.000	32.000	31.000	30.000
3 6 75	118.000	29.000	27.000	26.000
3 7 75	97.000	31.000	31.000	32.000
3 9 75	101.000	31.000	32.000	33.000
3 11 75	83.000	33.000	32.000	34.000
3 13 75	51.000	33.000	29.000	32.000
3 18 75	38.000	31.000	32.000	33.000

SOLUBLE COD MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	32.000	29.000	27.000	31.000
3 21 75	83.000	32.000	32.000	30.000
3 22 75	63.000	28.000	30.000	30.000
4 1 75	68.000	45.000	36.000	35.000
4 2 75	66.000	24.000	33.000	38.000
4 3 75	124.000	93.000	34.000	37.000
4 4 75	91.000	24.000	42.000	41.000
4 5 75	144.000	25.000	42.000	39.000
4 6 75	156.000	26.000	43.000	38.000
4 7 75	93.000	25.000	41.000	38.000
4 8 75	146.000	25.000	47.000	46.000
4 9 75	75.000	24.000	42.000	39.000
4 10 75	53.000	23.000	42.000	40.000
4 11 75	74.000	27.000	44.000	47.000
4 12 75	109.000	30.000	46.000	44.000
4 13 75	113.000	29.000	45.000	44.000
4 14 75	36.000	27.000	44.000	38.000
4 15 75	27.000	40.000	39.000	34.000
4 16 75	54.000	30.000	42.000	47.000
4 17 75	93.000	29.000	40.000	39.000
4 18 75	101.000	34.000	42.000	41.000
4 19 75	159.000	35.000	42.000	46.000
4 20 75	117.000	37.000	41.000	43.000
4 21 75	103.000	999.000	45.000	46.000
4 22 75	134.000	38.000	37.000	42.000
4 23 75	80.000	45.000	42.000	42.000
4 24 75	97.000	46.000	39.000	42.000
4 25 75	65.000	63.000	46.000	46.000
4 26 75	191.000	47.000	39.000	50.000
4 27 75	234.000	66.000	41.000	59.000
4 28 75	124.000	52.000	40.000	45.000
4 29 75	234.000	49.000	43.000	45.000
4 30 75	90.000	47.000	40.000	43.000
5 5 75	96.000	53.000	42.000	39.000
5 6 75	64.000	54.000	38.000	34.000
5 10 75	48.000	49.000	39.000	36.000
5 16 75	47.000	49.000	47.000	43.000
5 28 75	150.000	51.000	52.000	46.000
5 30 75	73.000	46.000	46.000	43.000
5 31 75	87.000	43.000	39.000	39.000
6 1 75	86.000	44.000	41.000	40.000
6 4 75	141.000	47.000	42.000	37.000
6 5 75	158.000	43.000	40.000	36.000
6 9 75	109.000	47.000	42.000	40.000
6 13 75	169.000	40.000	40.000	37.000
6 18 75	141.000	42.000	40.000	39.000
6 20 75	131.000	49.000	39.000	42.000
6 23 75	167.000	56.000	44.000	46.000
6 25 75	168.000	56.000	50.000	50.000
6 28 75	174.000	59.000	56.000	55.000
6 29 75	240.000	52.000	50.000	57.000
6 30 75	162.000	63.000	59.000	56.000
7 1 75	177.000	54.000	56.000	56.000
7 2 75	162.000	58.000	54.000	66.000
7 3 75	115.000	58.000	54.000	57.000
7 4 75	213.000	58.000	55.000	57.000
7 5 75	208.000	59.000	59.000	59.000
7 6 75	221.000	70.000	61.000	68.000
7 7 75	156.000	56.000	50.000	55.000

SOLUBLE COD MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	173.000	65.000	52.000	47.000
7 9 75	239.000	65.000	55.000	58.000
7 10 75	178.000	58.000	44.000	78.000
7 11 75	180.000	72.000	67.000	64.000
7 12 75	222.000	78.000	67.000	64.000
7 13 75	150.000	71.000	68.000	65.000
7 14 75	256.000	70.000	78.000	74.000
7 15 75	162.000	73.000	77.000	85.000
7 16 75	155.000	73.000	74.000	77.000
7 17 75	206.000	77.000	42.000	77.000
7 18 75	223.000	74.000	70.000	77.000
7 19 75	170.000	70.000	69.000	79.000
7 20 75	123.000	84.000	75.000	81.000
7 21 75	168.000	71.000	71.000	69.000
7 22 75	210.000	71.000	69.000	71.000
7 23 75	223.000	84.000	72.000	72.000
7 24 75	299.000	70.000	81.000	76.000
7 25 75	189.000	91.000	91.000	78.000
7 26 75	179.000	94.000	82.000	73.000
7 27 75	228.000	81.000	78.000	85.000
8 20 75	274.000	88.000	87.000	90.000
8 21 75	209.000	90.000	85.000	86.000
8 22 75	254.000	89.000	83.000	86.000
8 23 75	230.000	98.000	89.000	86.000
8 24 75	229.000	85.000	77.000	78.000
8 25 75	164.000	90.000	81.000	81.000
8 26 75	256.000	81.000	82.000	79.000
8 27 75	256.000	101.000	84.000	81.000
8 28 75	216.000	106.000	89.000	86.000
8 29 75	264.000	108.000	85.000	90.000
9 28 75	142.000	56.000	58.000	60.000
9 29 75	206.000	50.000	56.000	999.000
9 30 75	157.000	74.000	20.000	20.000
10 1 75	167.000	78.000	93.000	96.000
10 2 75	34.000	74.000	89.000	83.000
10 3 75	147.000	87.000	76.000	82.000
10 4 75	162.000	80.000	82.000	84.000
10 5 75	172.000	87.000	78.000	78.000
10 6 75	133.000	78.000	80.000	78.000
10 7 75	192.000	83.000	83.000	82.000
10 8 75	138.000	78.000	89.000	79.000
10 9 75	172.000	78.000	89.000	75.000
10 10 75	236.000	71.000	77.000	72.000
10 11 75	182.000	74.000	70.000	62.000
10 12 75	142.000	75.000	70.000	64.000
10 13 75	178.000	77.000	74.000	64.000
10 14 75	187.000	77.000	74.000	73.000
10 15 75	205.000	85.000	77.000	72.000
10 16 75	183.000	78.000	71.000	66.000
10 17 75	76.000	68.000	64.000	65.000
10 18 75	126.000	67.000	72.000	60.000
10 19 75	144.000	66.000	65.000	65.000
10 20 75	135.000	67.000	64.000	63.000
10 21 75	259.000	46.000	61.000	60.000
10 22 75	200.000	63.000	60.000	61.000
10 23 75	117.000	60.000	61.000	39.000
10 24 75	211.000	69.000	80.000	71.000
10 25 75	178.000	69.000	70.000	69.000
10 26 75	224.000	67.000	71.000	67.000

SOLUBLE COD MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	128.000	67.000	72.000	72.000
10 28 75	112.000	73.000	69.000	66.000
10 29 75	158.000	66.000	64.000	63.000
10 30 75	159.000	72.000	70.000	71.000
10 31 75	239.000	70.000	71.000	71.000
11 1 75	198.000	68.000	65.000	66.000
11 2 75	216.000	71.000	72.000	73.000
11 3 75	190.000	66.000	69.000	69.000
11 4 75	161.000	62.000	67.000	67.000

TOTAL PHOSPHORUS MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	13.700	10.000	9.000	9.500
11 7 74	11.600	9.600	8.400	8.400
11 10 74	6.100	9.800	8.000	8.100
11 20 74	7.300	9.400	6.300	6.400
11 25 74	10.800	9.700	6.200	5.800
11 30 74	9.200	9.400	5.800	5.000
12 2 74	10.200	9.400	5.700	5.000
12 7 74	7.800	9.300	5.600	4.200
12 11 74	10.900	8.700	4.900	4.000
12 14 74	8.600	8.300	4.700	3.500
12 15 74	7.500	8.100	4.800	3.700
12 18 74	6.300	8.400	5.000	3.500
12 21 74	15.000	8.600	5.300	3.500
12 22 74	20.400	8.800	4.700	3.400
12 26 74	2.600	7.500	4.600	3.500
12 30 74	3.800	6.700	5.100	4.200
1 2 75	4.200	6.200	5.400	4.800
1 3 75	7.800	6.200	5.400	4.600
1 4 75	11.300	6.000	4.200	3.700
1 5 75	5.600	6.100	5.500	4.700
1 6 75	8.700	5.900	5.100	4.800
1 7 75	7.600	5.800	5.200	4.400
1 8 75	3.600	5.500	5.000	4.400
1 9 75	3.900	5.600	5.000	4.500
1 10 75	4.800	5.600	4.900	4.500
1 11 75	3.400	5.500	4.900	4.200
1 12 75	10.800	5.700	5.200	4.300
1 13 75	3.100	5.800	4.600	4.100
1 14 75	4.800	5.400	4.700	4.200
1 15 75	5.500	5.500	4.900	4.200
1 16 75	7.400	5.300	4.800	4.300
1 18 75	4.500	5.200	4.700	4.000
1 19 75	5.600	5.400	4.800	4.200
1 20 75	5.600	5.300	4.700	4.100
1 21 75	3.000	5.300	4.600	4.400
1 22 75	9.100	5.100	4.600	4.100
1 23 75	7.700	5.200	3.800	4.500
1 24 75	5.100	5.200	4.600	4.500
1 25 75	12.500	5.100	4.700	4.200
1 26 75	14.200	5.300	5.000	4.300
1 27 75	5.200	5.200	4.900	4.800
1 28 75	6.500	5.100	4.600	4.100
1 29 75	5.600	5.100	6.800	4.300
1 30 75	5.300	5.300	4.800	4.200
1 31 75	15.400	5.000	4.700	4.000
2 1 75	11.700	5.000	4.400	4.000
2 6 75	3.400	4.500	4.600	4.200
2 7 75	4.100	4.700	4.800	4.500
2 10 75	10.000	4.900	4.700	4.500
2 28 75	7.800	4.600	4.100	4.100
3 1 75	7.400	4.400	4.300	3.800
3 3 75	6.500	4.700	4.400	4.100
3 5 75	8.500	4.800	4.400	3.900
3 6 75	11.000	4.700	4.300	3.800
3 7 75	8.500	5.000	4.300	3.900
3 9 75	8.900	4.700	4.400	3.900
3 11 75	7.100	5.000	4.300	3.900
3 13 75	2.900	4.700	3.900	3.800
3 18 75	2.400	4.300	3.800	3.900

TOTAL PHOSPHORUS MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	2.200	4.300	3.900	3.700
3 21 75	8.800	4.400	3.800	3.700
3 22 75	6.600	4.400	4.000	3.700
4 1 75	6.500	4.200	4.200	3.900
4 2 75	8.500	4.500	4.300	4.300
4 3 75	13.400	4.100	4.300	4.100
4 4 75	12.500	4.100	4.200	4.200
4 5 75	17.100	3.600	4.400	4.300
4 6 75	16.600	4.300	4.400	4.200
4 7 75	7.000	4.300	4.500	4.400
4 8 75	9.700	4.300	4.500	4.300
4 9 75	9.300	4.300	4.600	4.300
4 10 75	2.700	4.200	4.400	4.500
4 11 75	5.400	3.700	4.400	4.300
4 12 75	7.800	3.800	4.300	4.300
4 13 75	9.500	3.700	4.200	4.100
4 14 75	1.700	3.400	4.400	4.100
4 15 75	4.700	3.300	3.900	3.900
4 16 75	3.900	3.400	4.200	4.300
4 17 75	5.600	3.700	4.400	4.100
4 18 75	5.300	3.700	4.000	4.000
4 19 75	9.100	3.600	4.100	4.200
4 20 75	8.700	4.400	4.200	4.200
4 21 75	6.900	4.000	4.100	4.300
4 22 75	8.300	3.700	3.800	4.000
4 23 75	4.800	3.700	3.900	3.800
4 24 75	6.600	4.300	3.800	3.900
4 25 75	4.500	3.700	3.700	3.900
4 26 75	12.200	4.600	4.300	4.300
4 27 75	12.800	4.500	4.600	4.200
4 28 75	8.800	4.800	4.500	4.200
4 29 75	16.000	4.600	4.300	4.200
4 30 75	6.100	4.600	4.500	4.700
5 5 75	5.900	4.900	4.400	4.200
5 6 75	5.100	4.700	4.300	4.100
5 10 75	3.800	4.600	4.400	4.200
5 16 75	4.300	4.300	4.100	3.000
5 28 75	11.400	4.200	3.800	2.700
5 30 75	5.400	3.700	3.500	3.000
5 31 75	6.200	3.300	3.600	2.200
6 1 75	5.800	4.000	3.600	2.800
6 4 75	11.200	4.300	3.500	3.600
6 5 75	15.700	4.900	3.700	3.300
6 9 75	9.500	5.200	3.600	3.800
6 13 75	18.900	4.600	3.600	3.500
6 18 75	12.600	5.100	3.900	3.000
6 20 75	13.500	4.300	3.000	2.300
6 23 75	19.400	4.600	3.100	2.200
6 25 75	14.500	4.700	2.300	2.100
6 28 75	13.200	6.000	2.400	1.800
6 29 75	17.000	5.900	2.500	1.800
6 30 75	13.100	5.200	2.500	1.900
7 1 75	11.700	5.700	2.600	1.900
7 2 75	21.600	1.900	5.700	2.900
7 3 75	10.500	5.600	2.900	1.900
7 4 75	12.900	6.300	2.900	2.000
7 5 75	12.300	5.300	2.600	2.100
7 6 75	20.800	5.800	3.000	2.200
7 7 75	15.200	4.900	2.900	2.300

TOTAL PHOSPHORUS MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	12.600	5.800	3.500	2.700
7 9 75	10.200	6.100	3.900	3.200
7 10 75	18.900	5.300	3.600	2.900
7 11 75	12.100	5.800	3.900	3.100
7 12 75	18.100	5.900	3.800	3.100
7 13 75	13.900	5.600	4.100	3.200
7 14 75	13.800	5.900	4.100	3.300
7 15 75	15.300	5.600	4.100	3.200
7 16 75	15.500	5.800	4.000	3.100
7 17 75	12.100	6.500	4.100	2.800
7 18 75	21.600	7.100	4.200	2.700
7 19 75	19.600	7.200	4.600	2.900
7 20 75	11.200	6.500	4.400	3.000
7 21 75	10.400	6.700	4.100	2.700
7 22 75	15.400	5.600	4.100	2.700
7 23 75	18.100	5.000	4.000	2.400
7 24 75	13.800	6.800	4.000	2.400
7 25 75	11.500	6.200	4.100	2.600
7 26 75	17.300	6.000	3.300	2.500
7 27 75	17.000	6.300	3.300	2.600
8 20 75	16.600	6.200	4.300	4.000
8 21 75	16.500	5.700	4.400	3.900
8 22 75	15.600	5.900	4.200	3.900
8 23 75	15.300	5.800	4.100	3.800
8 24 75	15.400	5.900	4.200	3.800
8 25 75	10.600	6.000	4.400	3.900
8 26 75	17.200	6.400	4.200	3.600
8 27 75	18.200	6.300	4.300	3.600
8 28 75	11.500	6.600	4.300	3.700
8 29 75	16.500	6.300	4.300	3.700
9 28 75	17.200	7.000	5.300	4.600
9 29 75	20.500	7.000	5.400	4.600
9 30 75	16.400	7.100	5.400	4.400
10 1 75	11.400	7.100	5.200	4.500
10 2 75	3.300	6.600	5.100	4.600
10 3 75	13.400	6.100	5.200	4.000
10 4 75	13.100	6.500	5.300	4.400
10 5 75	18.400	7.000	5.300	4.400
10 6 75	14.000	6.300	5.200	4.700
10 7 75	13.600	6.800	5.500	4.100
10 8 75	12.800	10.200	9.000	5.300
10 9 75	16.900	4.800	6.400	4.700
10 10 75	15.700	6.400	4.900	3.900
10 11 75	15.500	6.500	5.100	4.100
10 12 75	11.000	6.600	5.000	4.500
10 13 75	13.600	7.300	5.200	4.800
10 14 75	14.500	7.200	5.200	4.900
10 15 75	16.100	7.300	5.300	5.000
10 16 75	11.900	7.500	5.600	5.100
10 17 75	5.000	7.000	5.600	4.900
10 18 75	6.700	5.900	5.200	4.400
10 19 75	10.000	5.900	4.900	4.700
10 20 75	9.100	5.500	4.900	4.500
10 21 75	10.800	5.900	4.900	4.500
10 22 75	12.900	5.500	5.200	4.500
10 23 75	9.000	5.800	5.000	4.700
10 24 75	13.300	5.400	4.800	4.300
10 25 75	9.100	5.500	4.800	4.400
10 26 75	17.400	5.600	4.900	4.700

TOTAL PHOSPHORUS MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	9.600	5.600	4.800	4.600
10 28 75	8.800	5.700	4.900	4.600
10 29 75	8.800	5.700	4.900	4.600
10 30 75	9.400	5.400	4.700	4.300
10 31 75	15.700	5.500	4.900	4.400
11 1 75	12.000	5.500	4.700	4.400
11 2 75	11.100	5.300	4.700	4.600
11 3 75	10.500	5.400	4.700	4.600
11 4 75	8.900	5.500	4.700	4.600

TKN MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	34.800	10.000	10.600	15.500
11 7 74	34.400	12.100	11.000	9.500
11 10 74	38.400	8.500	12.100	11.200
11 20 74	20.900	13.000	8.600	9.900
11 25 74	29.600	12.700	9.500	8.800
11 30 74	40.800	13.100	9.200	7.800
12 2 74	42.800	14.400	9.100	8.700
12 7 74	42.400	15.600	10.100	7.700
12 11 74	30.800	13.900	8.100	8.300
12 14 74	28.800	14.700	7.300	8.100
12 15 74	46.800	13.300	8.600	9.100
12 18 74	22.400	14.600	9.400	7.700
12 21 74	27.600	15.000	10.800	8.800
12 22 74	36.800	16.200	10.300	9.600
12 26 74	17.600	15.300	9.000	8.000
12 30 74	11.200	13.400	999.000	10.300
1 2 75	18.800	13.700	11.500	10.800
1 3 75	18.700	12.500	9.800	9.500
1 4 75	23.200	11.400	9.800	8.900
1 5 75	13.300	12.300	10.400	8.500
1 6 75	26.000	10.700	10.900	5.100
1 7 75	32.000	12.200	9.600	3.900
1 8 75	17.800	11.400	9.600	8.300
1 9 75	10.700	16.700	10.300	7.700
1 10 75	31.000	12.100	8.300	8.600
1 11 75	12.000	10.200	9.300	4.900
1 12 75	16.100	10.200	12.200	8.300
1 13 75	12.700	11.000	8.600	8.300
1 14 75	15.300	10.600	10.200	8.300
1 15 75	15.500	8.500	8.800	7.700
1 16 75	34.400	11.100	8.500	6.900
1 18 75	27.200	10.700	8.200	7.400
1 19 75	22.700	10.000	8.200	8.300
1 20 75	22.800	13.900	8.600	8.000
1 21 75	14.200	12.600	9.600	9.300
1 22 75	27.000	11.400	9.600	8.300
1 23 75	20.800	12.400	10.100	10.400
1 24 75	17.600	12.000	9.000	9.600
1 25 75	33.200	11.800	9.600	9.500
1 26 75	41.600	11.800	11.300	9.100
1 27 75	17.300	9.200	9.400	10.500
1 28 75	23.200	10.800	7.700	8.100
1 29 75	19.600	11.100	11.400	8.700
1 30 75	36.800	12.400	8.800	9.300
1 31 75	75.200	13.000	10.600	6.000
2 1 75	28.000	10.400	7.300	8.300
2 6 75	12.300	8.800	9.200	8.700
2 7 75	16.000	8.600	7.900	1.900
2 10 75	53.200	13.300	8.800	8.300
2 28 75	25.600	11.300	8.500	9.900
3 1 75	25.300	11.600	8.200	8.400
3 3 75	23.800	10.900	9.500	6.900
3 5 75	32.000	12.400	8.700	8.300
3 6 75	47.200	12.200	8.400	7.100
3 7 75	27.200	11.800	7.400	6.800
3 9 75	27.600	12.600	8.300	6.900
3 11 75	28.800	14.100	10.100	7.100
3 13 75	14.400	12.100	7.600	6.800
3 18 75	12.400	11.900	7.600	7.100

TKN MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	11.500	11.200	7.900	6.700
3 21 75	34.400	11.600	7.000	8.900
3 22 75	25.600	12.600	6.700	5.800
4 1 75	68.800	10.600	6.100	5.600
4 2 75	66.800	11.100	6.200	5.300
4 3 75	67.200	11.200	6.000	5.900
4 4 75	62.800	11.800	6.000	5.400
4 5 75	74.000	12.600	7.300	5.600
4 6 75	66.400	10.900	6.000	5.300
4 7 75	33.200	10.500	5.800	5.500
4 8 75	28.400	10.400	6.200	5.500
4 9 75	36.800	10.300	6.600	4.300
4 10 75	12.200	9.500	6.600	5.700
4 11 75	20.400	8.100	6.900	5.900
4 12 75	18.400	8.200	6.100	5.600
4 13 75	24.400	7.000	5.900	5.200
4 14 75	10.600	8.200	7.100	6.200
4 15 75	13.800	6.900	6.000	6.100
4 16 75	10.400	6.600	8.500	7.300
4 17 75	36.400	6.800	9.100	6.100
4 18 75	18.200	4.200	4.800	4.100
4 19 75	24.400	4.100	4.800	5.000
4 20 75	12.400	10.800	6.100	4.700
4 21 75	29.200	8.300	4.500	4.800
4 22 75	40.400	6.200	6.400	7.000
4 23 75	20.000	10.700	6.900	5.500
4 24 75	29.200	7.800	8.300	5.700
4 25 75	20.400	6.800	6.900	4.600
4 26 75	52.000	9.800	7.400	5.600
4 27 75	38.800	8.300	6.400	5.600
4 28 75	32.800	6.900	5.800	6.400
4 29 75	44.000	8.800	5.700	4.100
4 30 75	28.800	7.100	6.500	6.300
5 5 75	29.200	12.500	8.400	6.900
5 6 75	24.000	10.100	6.700	5.600
5 10 75	12.900	10.200	6.700	4.900
5 16 75	25.100	7.900	3.900	4.200
5 28 75	29.900	7.900	4.300	2.500
5 30 75	33.500	7.900	3.600	2.600
5 31 75	19.500	6.400	3.700	3.600
6 1 75	14.700	5.600	3.900	3.600
6 4 75	37.100	5.800	3.600	2.700
6 5 75	40.700	7.000	3.400	2.300
6 9 75	43.300	6.100	3.700	2.900
6 13 75	37.300	6.500	3.800	3.100
6 18 75	28.100	7.800	4.500	6.500
6 20 75	58.900	5.600	4.100	6.100
6 23 75	86.100	7.700	4.900	6.600
6 25 75	36.000	6.700	4.300	5.200
6 28 75	33.600	13.500	5.700	4.800
6 29 75	37.200	12.400	5.100	4.700
6 30 75	38.800	6.600	4.600	2.100
7 1 75	30.200	6.900	4.900	6.100
7 2 75	79.800	6.400	9.700	5.200
7 3 75	53.000	9.200	5.300	6.800
7 4 75	39.000	8.100	5.500	7.000
7 5 75	47.000	7.500	6.400	7.900
7 6 75	53.200	8.400	5.300	8.600
7 7 75	50.800	6.600	6.400	9.200

TKN MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	40.200	6.900	9.300	6.700
7 9 75	35.200	8.900	5.800	11.400
7 10 75	47.900	8.300	4.500	9.500
7 11 75	34.700	8.400	5.000	6.600
7 12 75	38.300	8.900	5.400	7.100
7 13 75	67.500	8.100	7.100	7.300
7 14 75	48.700	9.300	6.500	8.800
7 15 75	47.900	6.200	4.400	6.000
7 16 75	57.100	8.800	4.000	9.700
7 17 75	35.000	8.000	5.200	8.800
7 18 75	57.600	9.900	5.800	9.000
7 19 75	59.400	11.400	6.400	8.600
7 20 75	56.200	10.500	6.800	7.900
7 21 75	45.800	9.400	6.200	7.400
7 22 75	39.800	9.700	6.500	6.800
7 23 75	57.300	10.000	7.100	7.100
7 24 75	37.400	10.300	6.600	9.700
7 25 75	42.100	8.700	7.900	8.000
7 26 75	39.400	7.500	6.300	6.900
7 27 75	79.500	11.200	5.200	9.300
8 20 75	68.000	12.600	6.600	7.400
8 21 75	65.100	7.400	6.800	5.600
8 22 75	49.200	10.500	6.100	5.600
8 23 75	40.400	7.800	6.100	4.800
8 24 75	56.800	7.900	6.300	6.200
8 25 75	55.500	8.400	6.000	5.200
8 26 75	43.100	7.200	4.500	3.500
8 27 75	40.700	7.200	4.400	3.800
8 28 75	30.300	8.700	4.600	3.100
8 29 75	27.900	8.800	4.900	4.700
9 26 75	42.400	5.800	5.600	5.600
9 29 75	70.400	12.700	10.700	5.200
9 30 75	47.200	9.700	6.400	4.500
10 1 75	37.200	9.700	5.100	4.000
10 2 75	16.400	9.800	4.800	4.700
10 3 75	38.400	9.100	4.900	4.600
10 4 75	41.100	8.800	4.500	4.400
10 5 75	57.100	10.900	5.700	4.100
10 6 75	53.100	10.000	5.400	4.600
10 7 75	37.100	8.800	5.600	4.200
10 8 75	44.000	16.900	5.100	4.000
10 9 75	43.900	7.200	5.600	3.800
10 10 75	45.100	5.900	4.600	3.800
10 11 75	40.300	6.800	3.800	3.300
10 12 75	41.100	6.700	4.600	3.600
10 13 75	56.800	5.400	3.700	2.600
10 14 75	44.800	4.900	3.100	3.300
10 15 75	50.400	5.800	3.500	3.300
10 16 75	33.600	6.600	3.700	3.600
10 17 75	16.200	7.200	4.700	3.900
10 18 75	29.600	6.900	4.400	4.300
10 19 75	30.000	5.800	4.100	4.600
10 20 75	36.400	6.200	4.400	4.000
10 21 75	34.000	5.200	4.300	3.400
10 22 75	53.600	5.700	4.000	3.200
10 23 75	32.800	5.100	4.400	3.300
10 24 75	38.800	6.100	4.300	3.700
10 25 75	32.800	6.100	3.900	3.600
10 26 75	50.800	7.300	3.900	4.100

TKN MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	42.000	6.900	4.000	2.700
10 28 75	45.600	6.800	4.800	4.100
10 29 75	28.800	6.600	3.400	3.300
10 30 75	28.300	5.900	3.000	3.400
10 31 75	32.700	5.900	2.900	3.000
11 1 75	28.700	5.200	3.500	2.800
11 2 75	39.900	5.300	3.300	2.700
11 3 75	32.300	4.700	3.100	2.700
11 4 75	29.900	5.000	3.300	2.900

AMMONIA-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	24.000	3.400	.400	.400
11 7 74	23.700	2.400	.200	.500
11 10 74	24.000	2.600	.100	.600
11 20 74	12.400	4.200	.500	.900
11 25 74	20.000	4.200	.300	.800
11 30 74	22.400	3.800	.200	.500
12 2 74	24.400	4.300	.500	.600
12 7 74	12.400	4.400	.500	.300
12 11 74	14.300	4.400	.600	.400
12 14 74	17.200	4.000	.300	.200
12 15 74	17.600	3.800	.200	.200
12 18 74	12.600	3.400	.200	.100
12 21 74	14.600	3.300	.200	.200
12 22 74	30.000	3.400	.300	.200
12 26 74	8.000	3.100	.600	.100
12 30 74	3.900	2.600	.700	.600
1 2 75	6.000	2.100	.800	.700
1 3 75	7.000	2.000	.700	.600
1 4 75	6.000	1.900	.600	.500
1 5 75	4.600	2.200	.600	.400
1 6 75	10.800	2.300	.600	.200
1 7 75	13.000	1.700	.300	.100
1 8 75	6.400	1.600	.300	.100
1 9 75	6.600	1.700	.300	.100
1 10 75	8.200	1.700	.300	.100
1 11 75	3.700	1.400	.300	.100
1 12 75	6.900	1.600	.100	.100
1 13 75	6.200	2.400	.400	.100
1 14 75	8.000	1.800	.200	.100
1 15 75	8.900	2.100	.100	.100
1 16 75	17.200	1.900	.200	.100
1 18 75	8.700	1.900	.200	.300
1 19 75	9.700	1.500	.100	.100
1 20 75	10.000	1.800	.100	.100
1 21 75	5.200	1.200	.100	.100
1 22 75	14.700	1.600	.100	.100
1 23 75	11.000	1.100	.100	.100
1 24 75	8.900	1.300	.100	.100
1 25 75	12.300	1.300	.200	.100
1 26 75	9.200	1.000	.100	.100
1 27 75	9.600	1.200	.100	.100
1 28 75	9.400	.700	.100	.100
1 29 75	10.900	.900	.200	.200
1 30 75	10.500	.600	.200	.200
1 31 75	22.400	.300	.100	.100
2 1 75	13.100	.200	.100	.100
2 6 75	4.000	.100	.100	.200
2 7 75	6.700	.100	.100	.100
2 10 75	16.800	.300	.100	.100
2 28 75	13.300	.500	.300	.300
3 1 75	12.600	.500	.300	.400
3 3 75	14.500	.600	.300	.300
3 5 75	18.100	.200	.100	.100
3 6 75	28.400	.400	.100	.100
3 7 75	14.800	.300	.100	.100
3 9 75	14.700	.200	.100	.100
3 11 75	14.800	.200	.200	.200
3 13 75	5.600	.400	.400	.400
3 18 75	4.000	.300	.300	.500

AMMONIA - N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	3.700	.100	.100	.300
3 21 75	7.700	.100	.100	.300
3 22 75	10.400	.100	.100	.100
4 1 75	10.600	.500	1.700	1.500
4 2 75	10.700	9.800	.300	1.700
4 3 75	14.400	.100	1.500	1.400
4 4 75	21.600	.000	1.800	1.600
4 5 75	39.200	.100	1.900	1.600
4 6 75	9.600	.000	2.200	1.700
4 7 75	16.400	.000	2.300	1.700
4 8 75	16.500	.000	2.400	1.800
4 9 75	18.600	.100	2.500	2.000
4 10 75	3.700	.100	2.600	2.200
4 11 75	8.900	.300	3.000	2.600
4 12 75	10.000	.200	3.100	2.600
4 13 75	11.300	.400	2.800	2.400
4 14 75	4.300	.700	3.000	2.700
4 15 75	5.500	1.100	3.300	3.000
4 16 75	5.300	1.100	2.900	2.800
4 17 75	18.600	1.500	3.100	2.900
4 18 75	9.500	1.900	3.400	3.000
4 19 75	12.100	1.600	3.500	3.300
4 20 75	12.700	2.700	3.800	3.500
4 21 75	14.000	2.600	3.900	3.400
4 22 75	12.900	2.600	4.000	3.200
4 23 75	11.000	3.500	4.400	2.300
4 24 75	11.400	3.400	4.300	2.000
4 25 75	13.000	2.900	4.100	1.500
4 26 75	39.600	3.400	3.600	.500
4 27 75	38.800	3.100	3.400	.100
4 28 75	18.700	3.500	3.000	.100
4 29 75	22.400	1.500	1.700	.000
4 30 75	17.400	2.500	3.200	1.800
5 5 75	10.600	2.600	2.000	1.400
5 6 75	7.700	3.000	1.800	1.500
5 10 75	4.900	3.400	1.500	1.200
5 16 75	6.300	3.500	1.100	.500
5 28 75	16.200	.700	.000	.000
5 30 75	20.800	.700	.000	.000
5 31 75	10.300	.900	.200	.000
6 1 75	5.500	.500	.100	.000
6 4 75	19.600	.200	.000	.000
6 5 75	15.200	.500	.000	.000
6 9 75	17.900	.400	.000	.000
6 13 75	11.400	.100	.100	.100
6 18 75	14.200	.300	.100	.100
6 20 75	24.800	.500	.100	.100
6 23 75	46.800	.700	.100	.100
6 25 75	18.300	.600	.400	.200
6 28 75	14.600	.600	.200	.300
6 29 75	13.900	.400	.100	.100
6 30 75	19.800	.500	.100	.100
7 1 75	19.100	.300	.100	.100
7 2 75	40.800	.100	1.200	.100
7 3 75	30.400	.300	.100	.100
7 4 75	22.800	1.000	.100	.100
7 5 75	23.600	.300	.100	.100
7 6 75	34.400	1.800	.500	.300
7 7 75	30.800	.100	.100	.100

AMMONIA-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	30.800	1.000	.500	.100
7 9 75	19.200	1.500	.600	.100
7 10 75	28.000	1.300	.200	.100
7 11 75	18.300	1.200	.200	.100
7 12 75	18.000	.900	.200	.100
7 13 75	44.000	.600	.100	.100
7 14 75	30.400	.900	.100	2.500
7 15 75	6.000	.600	.100	.100
7 16 75	28.400	.900	.100	.100
7 17 75	19.600	.600	.100	.100
7 18 75	27.600	1.100	.400	.300
7 19 75	33.200	1.900	.700	.300
7 20 75	24.000	2.500	.800	.300
7 21 75	20.400	2.400	.300	.200
7 22 75	18.600	1.000	.100	.100
7 23 75	24.800	.500	.300	.100
7 24 75	19.300	3.100	.200	.100
7 25 75	21.600	2.600	.500	.100
7 26 75	13.700	1.900	.200	.100
7 27 75	49.200	2.700	.400	.100
8 20 75	28.400	1.400	.200	.200
8 21 75	26.800	.700	.100	.100
8 22 75	18.000	.400	.100	.100
8 23 75	18.300	.400	.100	.100
8 24 75	30.000	.500	.100	.200
8 25 75	34.000	.100	.100	.100
8 26 75	23.600	.600	.100	.100
8 27 75	24.000	.800	.100	.100
8 28 75	17.600	.300	.100	.100
8 29 75	14.700	.400	.100	.100
9 28 75	28.400	2.400	.100	.100
9 29 75	33.200	2.200	.100	.100
9 30 75	28.000	2.500	2.000	.100
10 1 75	28.400	2.100	.200	.100
10 2 75	6.600	1.700	.200	.100
10 3 75	19.100	1.500	.200	.100
10 4 75	31.600	1.600	.200	.100
10 5 75	26.800	1.900	.200	.100
10 6 75	33.600	1.400	.200	.100
10 7 75	26.800	1.500	.200	.100
10 8 75	27.600	1.500	.200	.100
10 9 75	22.800	.800	.500	.100
10 10 75	22.400	.600	.100	.100
10 11 75	24.800	.700	.100	.100
10 12 75	25.200	.600	.100	.100
10 13 75	48.000	.700	.100	.100
10 14 75	25.600	.500	.100	.100
10 15 75	24.400	.400	.100	.100
10 16 75	19.600	.700	.100	.100
10 17 75	15.500	1.500	.300	.400
10 18 75	14.600	1.600	.400	.100
10 19 75	14.600	1.500	.300	.100
10 20 75	17.200	.900	.100	.100
10 21 75	15.800	.600	.100	.100
10 22 75	17.600	.300	.100	.100
10 23 75	16.800	.400	.100	.100
10 24 75	17.700	.500	.100	.100
10 25 75	18.200	.700	.100	.100
10 26 75	25.200	1.100	.100	.100

AMMONIA-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	15.900	1.100	.100	.100
10 28 75	14.300	.700	.100	.100
10 29 75	16.100	1.100	.200	.100
10 30 75	16.100	.700	.100	.100
10 31 75	15.300	.500	.100	.100
11 1 75	16.300	.600	.100	.100
11 2 75	28.000	.400	.100	.100
11 3 75	18.500	.300	.100	.100
11 4 75	17.600	.500	.200	.100

NITRITE-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	.100	.200	.200	.100
11 7 74	.100	.200	.100	.200
11 10 74	.100	.300	.100	.200
11 20 74	.060	.130	.080	.100
11 25 74	.040	.160	.060	.100
11 30 74	.040	.110	.060	.080
12 2 74	.040	.140	.060	.060
12 7 74	.080	.180	.080	.080
12 11 74	.080	.180	.080	.080
12 14 74	.100	.100	.100	.100
12 15 74	.100	.100	.100	.100
12 18 74	.100	.100	.100	.100
12 21 74	.100	.200	.100	.100
12 22 74	.100	.200	.100	.100
12 26 74	.100	.200	.100	.100
12 30 74	.100	.200	.100	.100
1 2 75	.100	.100	.100	.100
1 3 75	.100	.100	.100	.100
1 4 75	.200	.100	.200	.100
1 5 75	.100	.100	.200	.100
1 6 75	.100	.100	.100	.100
1 7 75	.100	.200	.100	.100
1 8 75	.100	.200	.100	.100
1 9 75	.100	.200	.100	.100
1 10 75	.200	.200	.100	.100
1 11 75	.100	.200	.100	.100
1 12 75	.100	.200	.100	.100
1 13 75	.100	.100	.100	.100
1 14 75	.100	.200	.600	.100
1 15 75	.100	.100	.100	.100
1 16 75	.100	.200	.100	.100
1 18 75	.100	.200	.100	.100
1 19 75	.100	.200	.100	.100
1 20 75	.100	.100	.100	.100
1 21 75	.100	.200	.100	.100
1 22 75	.100	.100	.100	.100
1 23 75	.100	.200	.100	.100
1 24 75	.100	.100	.100	.100
1 25 75	.100	.200	.100	.100
1 26 75	.100	.200	.100	.100
1 27 75	.100	.100	.100	.100
1 28 75	.100	.200	.100	.100
1 29 75	.100	.100	.100	.100
1 30 75	.100	.400	.100	.100
1 31 75	.100	.600	.100	.100
2 1 75	.100	.800	.100	.100
2 6 75	.100	.800	.100	.200
2 7 75	.100	.500	.100	.100
2 10 75	.100	.200	.100	.100
2 28 75	.100	.100	.100	.100
3 1 75	.100	.100	.100	.100
3 3 75	.100	.200	.100	.100
3 5 75	.100	.100	.100	.100
3 6 75	.100	.100	.100	.100
3 7 75	.100	.100	.100	.100
3 9 75	.100	.100	.100	.100
3 11 75	.100	.100	.100	.100
3 13 75	.100	.200	.100	.100
3 18 75	.100	.200	.200	.100

NITRITE-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	.100	.200	.200	.200
3 21 75	.100	.200	.200	.200
3 22 75	.100	.100	.300	.200
4 1 75	.100	.100	.100	.100
4 2 75	.100	.100	.100	.100
4 3 75	.100	.100	.100	.100
4 4 75	.100	.100	.100	.100
4 5 75	.100	.100	.100	.100
4 6 75	.100	.100	.100	.100
4 7 75	.100	.100	.100	.100
4 8 75	.100	.100	.100	.100
4 9 75	.100	.100	.100	.100
4 10 75	.100	.100	.100	.100
4 11 75	.100	.100	.100	.100
4 12 75	.100	.100	.100	.100
4 13 75	.100	.100	.100	.100
4 14 75	.100	.100	.100	.100
4 15 75	.100	.100	.100	.100
4 16 75	.100	.100	.100	.100
4 17 75	.100	.100	.100	.100
4 18 75	.100	.100	.100	.100
4 19 75	.100	.100	.100	.100
4 20 75	.100	.100	.100	.100
4 21 75	.100	.100	.100	.100
4 22 75	.100	.100	.100	.100
4 23 75	.100	.100	.100	.100
4 24 75	.100	.100	.100	.100
4 25 75	.100	.200	.100	.300
4 26 75	.100	.100	.200	.300
4 27 75	.100	.200	.200	.200
4 28 75	.100	.200	.300	.200
4 29 75	.100	.300	.300	.200
4 30 75	.100	.300	.100	.100
5 5 75	.100	.100	.200	.500
5 6 75	.100	.200	.300	.400
5 10 75	.100	.100	.200	.400
5 16 75	.100	.100	.100	.200
5 28 75	.100	.100	.100	.100
5 30 75	.100	.100	.100	.100
5 31 75	.100	.100	.100	.100
6 1 75	.100	.100	.100	.100
6 4 75	.100	.100	.100	.100
6 5 75	.100	.100	.100	.100
6 9 75	.100	.100	.100	.100
6 13 75	.100	.100	.100	.100
6 18 75	.100	.100	.100	.100
6 20 75	.100	.100	.100	.100
6 23 75	.100	.100	.100	.100
6 25 75	.100	.100	.100	.100
6 28 75	.100	.100	.100	.100
6 29 75	.100	.100	.100	.100
6 30 75	.100	.100	.100	.100
7 1 75	.100	.100	.100	.100
7 2 75	.100	.100	.100	.100
7 3 75	.100	.100	.100	.100
7 4 75	.100	.100	.100	.100
7 5 75	.100	.100	.100	.100
7 6 75	.100	.100	.100	.100
7 7 75	.100	.100	.100	.100

NITRITE-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	.100	.100	.100	.100
7 9 75	.100	.100	.100	.100
7 10 75	.100	.100	.100	.100
7 11 75	.100	.100	.100	.100
7 12 75	.100	.100	.100	.100
7 13 75	.100	.100	.100	.100
7 14 75	.100	.100	.100	.100
7 15 75	.100	.100	.100	.100
7 16 75	.100	.100	.100	.100
7 17 75	.100	.100	.100	.100
7 18 75	.100	.100	.100	.100
7 19 75	.100	.100	.100	.100
7 20 75	.100	.100	.100	.100
7 21 75	.100	.100	.100	.100
7 22 75	.100	.100	.100	.100
7 23 75	.100	.100	.100	.100
7 24 75	.100	.100	.100	.100
7 25 75	.100	.100	.100	.100
7 26 75	.100	.100	.100	.100
7 27 75	.100	.100	.100	.100
8 20 75	.100	.200	.100	.100
8 21 75	.100	.100	.100	.100
8 22 75	.100	.100	.100	.100
8 23 75	.100	.100	.100	.100
8 24 75	.100	.100	.100	.100
8 25 75	.100	.100	.100	.100
8 26 75	.100	.100	.100	.100
8 27 75	.100	.100	.100	.100
8 28 75	.100	.100	.100	.100
8 29 75	.100	.100	.100	.100
9 28 75	.100	.400	.400	.100
9 29 75	.100	.200	.300	.100
9 30 75	.100	.200	.300	.100
10 1 75	.100	.200	.400	.100
10 2 75	.100	.200	.400	.100
10 3 75	.100	.200	.100	.100
10 4 75	.100	.400	.300	.100
10 5 75	.100	.200	.200	.100
10 6 75	.100	.300	.100	.100
10 7 75	.100	.400	.100	.100
10 8 75	.100	.100	.100	.100
10 9 75	.100	.600	.100	.100
10 10 75	.100	.500	.200	.100
10 11 75	.100	.300	.100	.100
10 12 75	.100	.300	.100	.100
10 13 75	.100	.100	.100	.100
10 14 75	.100	.300	.100	.100
10 15 75	.100	.300	.100	.100
10 16 75	.100	.200	.100	.100
10 17 75	.100	.200	.100	.100
10 18 75	.100	.100	.100	.100
10 19 75	.100	.300	.200	.100
10 20 75	.100	.100	.600	.300
10 21 75	.100	.100	.900	.300
10 22 75	.100	.700	.100	.100
10 23 75	.700	.200	.200	.200
10 24 75	.100	.600	.100	.100
10 25 75	.100	.600	.100	.100
10 26 75	.100	.400	.100	.100

NITRITE-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	.100	.400	.100	.100
10 28 75	.100	.400	.100	.100
10 29 75	.100	.400	.100	.100
10 30 75	.100	.400	.100	.100
10 31 75	.100	.300	.100	.100
11 1 75	.100	.300	.100	.100
11 2 75	.100	.200	.100	.100
11 3 75	.100	.200	.100	.100
11 4 75	.100	.200	.100	.100

NITRATE-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	.100	.100	.100	.100
11 7 74	.100	.100	.100	.100
11 10 74	.100	.100	.100	.100
11 20 74	.120	.120	.270	.140
11 25 74	.070	.040	.200	.150
11 30 74	.050	.150	.200	.280
12 2 74	.070	.060	.270	.390
12 7 74	.050	.050	.200	.300
12 11 74	.050	.050	.400	.300
12 14 74	.100	.100	.500	.500
12 15 74	.100	.100	.500	.300
12 16 74	.100	.100	.500	.300
12 21 74	.100	.100	.500	.200
12 22 74	.100	.100	.500	.200
12 26 74	.400	.100	.300	.200
12 30 74	.300	.100	.300	.200
1 2 75	.300	.100	.300	.300
1 3 75	.200	1.100	1.300	1.300
1 4 75	1.300	1.100	1.400	1.400
1 5 75	1.300	1.100	1.400	1.500
1 6 75	1.400	1.200	1.600	1.600
1 7 75	.100	.100	.500	.600
1 8 75	.200	.100	.500	.600
1 9 75	.200	.200	6.600	6.400
1 10 75	.100	.200	.600	.600
1 11 75	.300	.100	.600	.600
1 12 75	.200	.100	.600	.600
1 13 75	.400	.300	.700	.700
1 14 75	.200	.200	.200	.700
1 15 75	.200	.200	.700	.700
1 16 75	.100	.200	.700	.700
1 18 75	.100	.200	.700	.600
1 19 75	.100	.400	.700	.600
1 20 75	.300	.300	.700	.600
1 21 75	.300	.200	.600	.500
1 22 75	.200	.300	.600	.500
1 23 75	.100	.300	.600	.500
1 24 75	.200	.300	.600	.400
1 25 75	.100	.200	.400	.500
1 26 75	.100	.200	.500	.400
1 27 75	.100	.400	.500	.300
1 28 75	.100	.400	.500	.300
1 29 75	.100	.500	.400	.200
1 30 75	.100	.400	.400	.100
1 31 75	.100	.400	.400	.100
2 1 75	.100	.400	.300	.100
2 6 75	.400	.500	.700	.300
2 7 75	.300	.600	.500	.400
2 10 75	.100	.800	.400	.300
2 28 75	.100	.200	.100	.100
3 1 75	.100	.100	.100	.100
3 3 75	.100	.200	.100	.100
3 5 75	.100	.100	.100	.100
3 6 75	.200	.200	.100	.100
3 7 75	.100	.100	.100	.100
3 9 75	.100	.100	.100	.100
3 11 75	.100	.100	.100	.200
3 13 75	.300	.200	.100	.100
3 18 75	.300	.200	.200	.200

NITRATE-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	.400	.200	.300	.300
3 21 75	.100	.200	.300	.300
3 22 75	.200	.300	.600	.400
4 1 75	.100	.100	.100	.100
4 2 75	.100	.100	.100	.200
4 3 75	.100	.100	.100	.100
4 4 75	.100	.100	.100	.100
4 5 75	.100	.100	.100	.200
4 6 75	.100	.100	.100	.100
4 7 75	.100	.100	.100	.200
4 8 75	.100	.100	.100	.200
4 9 75	.100	.100	.100	.200
4 10 75	.100	.100	.100	.200
4 11 75	.100	.100	.100	.200
4 12 75	.100	.100	.100	.300
4 13 75	.100	.100	.100	.400
4 14 75	.100	.100	.100	.200
4 15 75	.100	.100	.100	.200
4 16 75	.100	.100	.100	.200
4 17 75	.100	.100	.100	.200
4 18 75	.100	.100	.100	.300
4 19 75	.100	.100	.100	.200
4 20 75	.100	.100	.100	.300
4 21 75	.100	.100	.100	.300
4 22 75	.100	.100	.200	.400
4 23 75	.100	.100	.100	.600
4 24 75	.100	.100	.200	.700
4 25 75	.100	.200	.200	.600
4 26 75	.100	.200	.300	.600
4 27 75	.100	.400	.400	.500
4 28 75	.100	.400	.500	.200
4 29 75	.100	.500	.600	.200
4 30 75	.100	.600	.700	.400
5 5 75	.100	.100	.400	.100
5 6 75	.100	.200	.400	.100
5 10 75	.100	.100	.300	.100
5 16 75	.100	.100	.200	.200
5 28 75	.100	.100	.100	.100
5 30 75	.100	.100	.100	.100
5 31 75	.200	.100	.100	.100
6 1 75	.100	.100	.100	.100
6 4 75	.100	.100	.100	.100
6 5 75	.100	.100	.100	.100
6 9 75	.100	.100	.100	.100
6 13 75	.100	.100	.100	.100
6 18 75	.100	.100	.100	.100
6 20 75	.100	.100	.100	.100
6 23 75	.100	.100	.100	.100
6 25 75	.100	.100	.100	.100
6 28 75	.100	.100	.100	.100
6 29 75	.100	.100	.100	.100
6 30 75	.100	.100	.100	.100
7 1 75	.100	.100	.100	.100
7 2 75	.100	.100	.100	.100
7 3 75	.100	.100	.100	.100
7 4 75	.100	.100	.100	.100
7 5 75	.100	.100	.100	.100
7 6 75	.100	.100	.100	.100
7 7 75	.100	.100	.100	.100

NITRATE-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	.100	.100	.100	.100
7 9 75	.100	.100	.100	.100
7 10 75	.100	.100	.100	.100
7 11 75	.100	.100	.100	.100
7 12 75	.100	.100	.100	.100
7 13 75	.100	.100	.100	.100
7 14 75	.100	.100	.100	.100
7 15 75	.100	.200	.100	.100
7 16 75	.100	.100	.100	.100
7 17 75	.100	.100	.100	.100
7 18 75	.100	.100	.100	.100
7 19 75	.100	.100	.100	.100
7 20 75	.100	.100	.100	.100
7 21 75	.100	.100	.100	.100
7 22 75	.100	.100	.100	.100
7 23 75	.100	.100	.100	.100
7 24 75	.100	.100	.100	.100
7 25 75	.100	.100	.100	.100
7 26 75	.100	.100	.100	.100
7 27 75	.100	.100	.100	.100
8 20 75	.100	.100	.100	.100
8 21 75	.100	.100	.100	.100
8 22 75	.100	.100	.100	.100
8 23 75	.100	.100	.100	.100
8 24 75	.100	.100	.100	.100
8 25 75	.100	.100	.100	.100
8 26 75	.100	.100	.100	.100
8 27 75	.100	.100	.100	.100
8 28 75	.100	.100	.100	.100
8 29 75	.100	.100	.100	.100
9 28 75	.100	.100	.100	.100
9 29 75	.100	.100	.100	.100
9 30 75	.100	.100	.100	.100
10 1 75	.100	.100	.100	.100
10 2 75	.200	.100	.100	.100
10 3 75	.100	.100	.200	.100
10 4 75	.100	.100	.100	.100
10 5 75	.100	.100	.100	.100
10 6 75	.100	.100	.100	.100
10 7 75	.100	.100	.100	.100
10 8 75	.100	.100	.100	.100
10 9 75	.100	.100	.100	.100
10 10 75	.100	.100	.100	.100
10 11 75	.100	.100	.100	.100
10 12 75	.100	.100	.100	.100
10 13 75	.100	.100	.100	.100
10 14 75	.100	.100	.100	.100
10 15 75	.100	.100	.100	.100
10 16 75	.100	.100	.100	.100
10 17 75	.100	.400	.100	.100
10 18 75	.100	.100	.100	.100
10 19 75	.100	.100	.100	.100
10 20 75	.100	.100	.100	.100
10 21 75	.100	.100	.100	.100
10 22 75	.100	.100	.100	.100
10 23 75	.100	.100	.100	.100
10 24 75	.100	.100	.100	.100
10 25 75	.100	.100	.100	.100
10 26 75	.100	.100	.100	.100

NITRATE-N MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	.100	.100	.100	.100
10 28 75	.100	.100	.100	.100
10 29 75	.100	.100	.100	.100
10 30 75	.100	.200	.100	.100
10 31 75	.100	.200	.100	.100
11 1 75	.100	.200	.100	.100
11 2 75	.100	.300	.100	.100
11 3 75	.100	.300	.100	.100
11 4 75	.100	.200	.100	.100

ALGAE COUNT CELLS/ML

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	999.000	131800.000	337200.000	249000.000
11 7 74	999.000	170100.000	188200.000	150000.000
11 10 74	999.000	141700.000	143200.000	144500.000
11 20 74	999.000	145500.000	228000.000	169600.000
11 25 74	999.000	258700.000	307800.000	273500.000
11 30 74	999.000	431500.000	424900.000	357300.000
12 2 74	999.000	310300.000	388600.000	425400.000
12 7 74	999.000	575400.000	328900.000	338200.000
12 11 74	999.000	800900.000	551900.000	472500.000
12 14 74	999.000	514600.000	326900.000	247500.000
12 15 74	999.000	805700.000	921900.000	287700.000
12 18 74	999.000	491100.000	381300.000	275000.000
12 21 74	999.000	616600.000	631300.000	633700.000
12 22 74	999.000	703800.000	630800.000	483200.000
12 26 74	999.000	793000.000	697400.000	506300.000
12 30 74	999.000	897000.000	720000.000	723900.000
1 2 75	999.000	750900.000	672000.000	511700.000
1 3 75	999.000	794000.000	741600.000	600900.000
1 4 75	999.000	759700.000	754300.000	680300.000
1 5 75	999.000	822000.000	835200.000	768500.000
1 6 75	999.000	879800.000	899900.000	902300.000
1 7 75	999.000	906300.000	932700.000	816600.000
1 8 75	999.000	881100.000	912100.000	815600.000
1 9 75	999.000	816600.000	935200.000	831200.000
1 10 75	999.000	797950.000	991600.000	786700.000
1 11 75	999.000	815600.000	854850.000	841600.000
1 12 75	999.000	692100.000	792100.000	817600.000
1 13 75	999.000	730850.000	823000.000	817600.000
1 14 75	999.000	506300.000	580300.000	571000.000
1 15 75	999.000	704800.000	755300.000	677300.000
1 16 75	999.000	753300.000	849400.000	757700.000
1 18 75	999.000	665700.000	687200.000	728900.000
1 19 75	999.000	738200.000	738700.000	675500.000
1 20 75	999.000	665650.000	660250.000	737200.000
1 21 75	999.000	790600.000	677900.000	656800.000
1 22 75	999.000	646000.000	748900.000	692600.000
1 23 75	999.000	748500.000	743100.000	690600.000
1 24 75	999.000	732800.000	742600.000	706800.000
1 25 75	999.000	1032300.000	810700.000	764200.000
1 26 75	999.000	1012200.000	803900.000	790200.000
1 27 75	999.000	995500.000	889600.000	773000.000
1 28 75	999.000	730800.000	716200.000	734800.000
1 29 75	999.000	716100.000	694600.000	676900.000
1 30 75	999.000	715900.000	732500.000	690400.000
1 31 75	999.000	755300.000	752400.000	726000.000
2 1 75	999.000	752400.000	700500.000	732300.000
2 6 75	999.000	776400.000	771100.000	837700.000
2 7 75	999.000	708100.000	913200.000	973000.000
2 10 75	999.000	730900.000	1099400.000	1030300.000
2 28 75	999.000	845100.000	847500.000	764700.000
3 1 75	999.000	836700.000	847000.000	754400.000
3 3 75	999.000	970600.000	860700.000	776400.000
3 5 75	999.000	985700.000	847000.000	727900.000
3 6 75	999.000	1008800.000	953800.000	709800.000
3 7 75	999.000	1103900.000	936700.000	719100.000
3 9 75	999.000	1131800.000	995000.000	732800.000
3 11 75	999.000	1145000.000	826900.000	641100.000
3 13 75	999.000	1003400.000	779400.000	678900.000
3 18 75	999.000	1025000.000	945500.000	805900.000

ALGAE COUNT CELLS/ML

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	999.000	1576400.000	1155300.000	808800.000
3 21 75	999.000	895100.000	819600.000	436700.000
3 22 75	999.000	1373400.000	910200.000	556800.000
4 1 75	999.000	1072500.000	646500.000	267150.000
4 2 75	999.000	896000.000	439200.000	164200.000
4 3 75	999.000	904400.000	368600.000	219100.000
4 4 75	999.000	999.000	691900.000	495600.000
4 5 75	999.000	1258300.000	337200.000	220600.000
4 6 75	999.000	1137700.000	229400.000	163300.000
4 7 75	999.000	1101400.000	242200.000	146600.000
4 8 75	999.000	1031800.000	236300.000	112300.000
4 9 75	999.000	1015600.000	229000.000	126500.000
4 10 75	999.000	1013600.000	243600.000	105900.000
4 11 75	999.000	903900.000	197100.000	106400.000
4 12 75	999.000	857300.000	154900.000	73600.000
4 13 75	999.000	795100.000	130900.000	68600.000
4 14 75	999.000	800000.000	84300.000	42200.000
4 15 75	999.000	168000.000	8000.000	15700.000
4 16 75	999.000	168300.000	22200.000	28700.000
4 17 75	999.000	33700.000	12600.000	26700.000
4 18 75	999.000	40300.000	14600.000	37700.000
4 19 75	999.000	85600.000	19400.000	39100.000
4 20 75	999.000	36600.000	22600.000	45300.000
4 21 75	999.000	26800.000	8600.000	82900.000
4 22 75	999.000	26800.000	8600.000	82900.000
4 23 75	999.000	99300.000	17200.000	11000.000
4 24 75	999.000	82700.000	13000.000	160000.000
4 25 75	999.000	168200.000	17000.000	119600.000
4 26 75	999.000	172400.000	36200.000	218200.000
4 27 75	999.000	209500.000	34400.000	292500.000
4 28 75	999.000	332500.000	92200.000	290600.000
4 29 75	999.000	345700.000	125600.000	362000.000
4 30 75	999.000	403400.000	174900.000	328800.000
5 5 75	999.000	438000.000	193700.000	195600.000
5 6 75	999.000	462600.000	175600.000	163300.000
5 10 75	999.000	155500.000	232400.000	201000.000
5 16 75	999.000	59000.000	130600.000	140200.000
5 28 75	999.000	214600.000	312000.000	89100.000
5 30 75	999.000	135900.000	41300.000	47400.000
5 31 75	999.000	101400.000	62700.000	71200.000
6 1 75	999.000	105500.000	80100.000	78200.000
6 4 75	999.000	102200.000	119500.000	170100.000
6 5 75	999.000	191000.000	79700.000	80900.000
6 9 75	999.000	110000.000	74800.000	43800.000
6 13 75	999.000	122400.000	81700.000	40400.000
6 18 75	999.000	121800.000	69800.000	85900.000
6 20 75	999.000	68800.000	70400.000	69500.000
6 23 75	999.000	77200.000	87900.000	97100.000
6 25 75	999.000	90900.000	66300.000	75000.000
6 28 75	999.000	109100.000	66700.000	64500.000
6 29 75	999.000	152300.000	70600.000	53400.000
6 30 75	999.000	81500.000	50800.000	47600.000
7 1 75	999.000	65300.000	41300.000	44200.000
7 2 75	999.000	76400.000	42800.000	44800.000
7 3 75	999.000	61900.000	39500.000	49600.000
7 4 75	999.000	66900.000	28600.000	53600.000
7 5 75	999.000	70600.000	20200.000	45600.000
7 6 75	999.000	96600.000	29400.000	62100.000
7 7 75	999.000	85500.000	37900.000	64500.000

ALGAE COUNT CELLS/ML

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	999.000	88900.000	56500.000	59700.000
7 9 75	999.000	87100.000	34300.000	67000.000
7 10 75	999.000	92000.000	30200.000	73000.000
7 11 75	999.000	96000.000	52200.000	42100.000
7 12 75	999.000	109500.000	46400.000	48200.000
7 13 75	999.000	105100.000	48600.000	52800.000
7 14 75	999.000	118600.000	56700.000	72200.000
7 15 75	999.000	82100.000	54600.000	88700.000
7 16 75	999.000	70400.000	47800.000	68200.000
7 17 75	999.000	72000.000	55900.000	73600.000
7 18 75	999.000	86700.000	47600.000	61600.000
7 19 75	999.000	65100.000	41100.000	38500.000
7 20 75	999.000	99000.000	47600.000	39500.000
7 21 75	999.000	62500.000	36100.000	51400.000
7 22 75	999.000	74000.000	40500.000	37300.000
7 23 75	999.000	90800.000	50900.000	37400.000
7 24 75	999.000	57000.000	45500.000	65600.000
7 25 75	999.000	73700.000	88200.000	106700.000
7 26 75	999.000	58600.000	43700.000	58900.000
7 27 75	999.000	105300.000	44600.000	151800.000
8 20 75	999.000	202800.000	240000.000	194200.000
8 21 75	999.000	153200.000	197900.000	161900.000
8 22 75	999.000	160700.000	178500.000	165600.000
8 23 75	999.000	145800.000	181500.000	132900.000
8 24 75	999.000	110100.000	136900.000	120500.000
8 25 75	999.000	106600.000	107600.000	95700.000
8 26 75	999.000	150000.000	216600.000	90000.000
8 27 75	999.000	275500.000	135300.000	195700.000
8 28 75	999.000	221600.000	179200.000	185700.000
8 29 75	999.000	212700.000	164400.000	183800.000
9 28 75	999.000	178500.000	161100.000	193200.000
9 29 75	999.000	230500.000	351900.000	345800.000
9 30 75	999.000	223200.000	341800.000	341000.000
10 1 75	999.000	158700.000	245200.000	250300.000
10 2 75	999.000	190000.000	226100.000	222400.000
10 3 75	999.000	172000.000	159900.000	191600.000
10 4 75	999.000	179500.000	183300.000	268600.000
10 5 75	999.000	173400.000	174800.000	278900.000
10 6 75	999.000	214800.000	349300.000	314400.000
10 7 75	999.000	226100.000	319800.000	313900.000
10 8 75	999.000	239600.000	289600.000	273800.000
10 9 75	999.000	288600.000	280300.000	257900.000
10 10 75	999.000	139900.000	123400.000	175700.000
10 11 75	999.000	126700.000	118700.000	160900.000
10 12 75	999.000	143800.000	167800.000	255900.000
10 13 75	999.000	127000.000	235700.000	245300.000
10 14 75	999.000	234700.000	221600.000	242600.000
10 15 75	999.000	232100.000	237500.000	245000.000
10 16 75	999.000	224000.000	310300.000	314000.000
10 17 75	999.000	227300.000	3[illegible]400.000	329300.000
10 18 75	999.000	154700.000	208100.000	248800.000
10 19 75	999.000	176000.000	174400.000	290000.000
10 20 75	999.000	123500.000	103700.000	113300.000
10 21 75	999.000	99700.000	109100.000	127500.000
10 22 75	999.000	107900.000	132900.000	121900.000
10 23 75	999.000	81500.000	125200.000	154400.000
10 24 75	999.000	250100.000	283500.000	298700.000
10 25 75	999.000	227100.000	264400.000	316400.000
10 26 75	999.000	247800.000	277500.000	308500.000

ALGAE COUNT CELLS/ML

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	999.000	219900.000	299900.000	300500.000
10 28 75	999.000	105300.000	100900.000	110600.000
10 29 75	999.000	80800.000	96700.000	113400.000
10 30 75	999.000	68500.000	76200.000	98600.000
10 31 75	999.000	79400.000	81200.000	98300.000
11 1 75	999.000	106800.000	88300.000	116000.000
11 2 75	999.000	84400.000	60500.000	69700.000
11 3 75	999.000	47500.000	58700.000	108700.000
11 4 75	999.000	36300.000	80600.000	89100.000

SUSPENDED SOLIDS MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	237.000	34.000	78.000	98.000
11 7 74	119.000	45.000	85.000	35.000
11 10 74	234.000	67.000	66.000	55.000
11 20 74	406.000	81.000	90.000	42.000
11 25 74	389.000	58.000	81.000	55.000
11 30 74	276.000	55.000	69.000	26.000
12 2 74	202.000	71.000	88.000	65.000
12 7 74	1130.000	94.000	91.000	60.000
12 11 74	240.000	89.000	82.000	73.000
12 14 74	116.000	73.000	76.000	49.000
12 15 74	794.000	87.000	99.000	107.000
12 16 74	136.000	90.000	111.000	65.000
12 21 74	152.000	86.000	99.000	61.000
12 22 74	388.000	80.000	111.000	96.000
12 26 74	133.000	77.000	98.000	68.000
12 30 74	141.000	68.000	71.000	89.000
1 2 75	138.000	75.000	86.000	70.000
1 3 75	137.000	82.000	111.000	126.000
1 4 75	237.000	101.000	113.000	98.000
1 5 75	113.000	73.000	70.000	67.000
1 6 75	151.000	84.000	97.000	60.000
1 7 75	99.000	91.000	91.000	63.000
1 8 75	148.000	84.000	103.000	103.000
1 9 75	127.000	69.000	91.000	91.000
1 10 75	154.000	61.000	88.000	75.000
1 11 75	257.000	95.000	112.000	108.000
1 12 75	162.000	110.000	130.000	105.000
1 13 75	31.000	79.000	63.000	59.000
1 14 75	73.000	73.000	93.000	88.000
1 15 75	74.000	85.000	105.000	95.000
1 16 75	168.000	61.000	62.000	66.000
1 18 75	190.000	80.000	95.000	91.000
1 19 75	250.000	84.000	89.000	85.000
1 20 75	164.000	137.000	124.000	129.000
1 21 75	97.000	73.000	78.000	89.000
1 22 75	141.000	87.000	101.000	87.000
1 23 75	112.000	92.000	88.000	86.000
1 24 75	113.000	65.000	71.000	81.000
1 25 75	198.000	87.000	90.000	95.000
1 26 75	385.000	115.000	135.000	117.000
1 27 75	138.000	89.000	100.000	125.000
1 28 75	136.000	96.000	92.000	93.000
1 29 75	130.000	100.000	120.000	102.000
1 30 75	83.000	83.000	81.000	69.000
1 31 75	416.000	79.000	79.000	73.000
2 1 75	139.000	89.000	60.000	75.000
2 6 75	169.000	64.000	68.000	79.000
2 7 75	118.000	75.000	97.000	93.000
2 10 75	371.000	93.000	93.000	93.000
2 28 75	107.000	49.000	47.000	57.000
3 1 75	125.000	89.000	78.000	75.000
3 3 75	61.000	96.000	91.000	72.000
3 5 75	81.000	66.000	67.000	75.000
3 6 75	191.000	116.000	89.000	64.000
3 7 75	191.000	123.000	78.000	72.000
3 9 75	100.000	115.000	84.000	70.000
3 11 75	171.000	117.000	89.000	62.000
3 13 75	153.000	99.000	60.000	59.000
3 18 75	67.000	107.000	69.000	58.000

SUSPENDED SOLIDS MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	34.000	114.000	79.000	64.000
3 21 75	114.000	114.000	51.000	58.000
3 22 75	186.000	126.000	99.000	54.000
4 1 75	430.000	104.000	50.000	34.000
4 2 75	999.000	104.000	39.000	49.000
4 3 75	999.000	90.000	26.000	13.000
4 4 75	999.000	115.000	25.000	24.000
4 5 75	999.000	114.000	25.000	17.000
4 6 75	999.000	107.000	12.000	14.000
4 7 75	199.000	86.000	22.000	25.000
4 8 75	220.000	125.000	22.000	19.000
4 9 75	263.000	115.000	19.000	13.000
4 10 75	262.000	103.000	30.000	16.000
4 11 75	182.000	86.000	22.000	19.000
4 12 75	178.000	75.000	14.000	17.000
4 13 75	179.000	89.000	20.000	12.000
4 14 75	157.000	68.000	12.000	15.000
4 15 75	132.000	43.000	13.000	10.000
4 16 75	108.000	38.000	14.000	16.000
4 17 75	165.000	22.000	15.000	9.000
4 18 75	148.000	30.000	13.000	11.000
4 19 75	124.000	32.000	8.000	11.000
4 20 75	168.000	33.000	8.000	19.000
4 21 75	203.000	21.000	10.000	11.000
4 22 75	184.000	25.000	13.000	13.000
4 23 75	344.000	24.000	8.000	18.000
4 24 75	278.000	43.000	5.000	24.000
4 25 75	119.000	30.000	5.000	29.000
4 26 75	186.000	29.000	7.000	35.000
4 27 75	122.000	32.000	8.000	58.000
4 28 75	114.000	48.000	14.000	51.000
4 29 75	400.000	48.000	26.000	60.000
4 30 75	182.000	59.000	35.000	77.000
5 5 75	264.000	90.000	58.000	58.000
5 6 75	483.000	44.000	27.000	29.000
5 10 75	364.000	24.000	31.000	21.000
5 16 75	507.000	23.000	32.000	29.000
5 28 75	223.000	47.000	27.000	18.000
5 30 75	175.000	67.000	28.000	19.000
5 31 75	206.000	37.000	20.000	20.000
6 1 75	224.000	36.000	18.000	22.000
6 4 75	290.000	36.000	39.000	26.000
6 5 75	284.000	43.000	24.000	32.000
6 9 75	253.000	47.000	36.000	29.000
6 13 75	383.000	48.000	31.000	20.000
6 18 75	185.000	58.000	34.000	44.000
6 20 75	332.000	50.000	30.000	51.000
6 23 75	732.000	25.000	31.000	24.000
6 25 75	360.000	37.000	27.000	36.000
6 26 75	391.000	108.000	38.000	26.000
6 29 75	326.000	91.000	24.000	23.000
6 30 75	295.000	49.000	24.000	29.000
7 1 75	200.000	39.000	20.000	38.000
7 2 75	1090.000	69.000	31.000	48.000
7 3 75	384.000	49.000	28.000	51.000
7 4 75	252.000	48.000	35.000	37.000
7 5 75	414.000	37.000	40.000	59.000
7 6 75	466.000	54.000	39.000	68.000
7 7 75	418.000	40.000	38.000	48.000

SUSPENDED SOLIDS MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	234.000	42.000	42.000	49.000
7 9 75	225.000	45.000	29.000	80.000
7 10 75	374.000	44.000	23.000	55.000
7 11 75	217.000	35.000	30.000	39.000
7 12 75	228.000	47.000	27.000	53.000
7 13 75	477.000	53.000	40.000	49.000
7 14 75	256.000	60.000	39.000	64.000
7 15 75	346.000	32.000	28.000	71.000
7 16 75	350.000	56.000	27.000	69.000
7 17 75	100.000	41.000	27.000	52.000
7 18 75	406.000	47.000	25.000	63.000
7 19 75	290.000	56.000	33.000	55.000
7 20 75	350.000	42.000	42.000	63.000
7 21 75	274.000	24.000	30.000	40.000
7 22 75	266.000	34.000	36.000	47.000
7 23 75	270.000	40.000	30.000	46.000
7 24 75	296.000	42.000	30.000	36.000
7 25 75	300.000	47.000	29.000	70.000
7 26 75	490.000	24.000	28.000	51.000
7 27 75	540.000	26.000	20.000	89.000
8 20 75	356.000	113.000	59.000	45.000
8 21 75	358.000	57.000	50.000	29.000
8 22 75	502.000	75.000	55.000	34.000
8 23 75	302.000	67.000	50.000	40.000
8 24 75	340.000	39.000	44.000	44.000
8 25 75	294.000	28.000	44.000	38.000
8 26 75	220.000	33.000	42.000	30.000
8 27 75	331.000	36.000	33.000	18.000
8 28 75	318.000	50.000	55.000	23.000
8 29 75	190.000	51.000	32.000	24.000
9 28 75	500.000	55.000	36.000	33.000
9 29 75	999.000	44.000	51.000	28.000
9 30 75	254.000	39.000	36.000	24.000
10 1 75	248.000	41.000	26.000	22.000
10 2 75	178.000	40.000	18.000	22.000
10 3 75	278.000	38.000	24.000	21.000
10 4 75	210.000	46.000	25.000	24.000
10 5 75	328.000	70.000	20.000	20.000
10 6 75	304.000	43.000	27.000	34.000
10 7 75	205.000	52.000	29.000	26.000
10 8 75	194.000	37.000	31.000	22.000
10 9 75	169.000	57.000	36.000	23.000
10 10 75	323.000	28.000	15.000	21.000
10 11 75	262.000	30.000	19.000	18.000
10 12 75	278.000	9.000	8.000	15.000
10 13 75	220.000	19.000	17.000	20.000
10 14 75	548.000	19.000	13.000	21.000
10 15 75	290.000	21.000	13.000	20.000
10 16 75	228.000	31.000	24.000	22.000
10 17 75	318.000	34.000	24.000	26.000
10 18 75	176.000	28.000	23.000	25.000
10 19 75	180.000	19.000	22.000	38.000
10 20 75	412.000	28.000	29.000	26.000
10 21 75	220.000	37.000	44.000	36.000
10 22 75	446.000	23.000	22.000	14.000
10 23 75	244.000	24.000	26.000	13.000
10 24 75	378.000	29.000	22.000	17.000
10 25 75	214.000	29.000	25.000	25.000
10 26 75	486.000	22.000	20.000	23.000

SUSPENDED SOLIDS MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	328.000	22.000	14.000	22.000
10 28 75	422.000	35.000	23.000	29.000
10 29 75	142.000	31.000	15.000	14.000
10 30 75	176.000	39.000	24.000	23.000
10 31 75	360.000	39.000	25.000	21.000
11 1 75	106.000	27.000	16.000	11.000
11 2 75	202.000	30.000	16.000	13.000
11 3 75	156.000	30.000	19.000	12.000
11 4 75	238.000	25.000	13.000	10.000

FECAL COLIFORM MPN/100 ML

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	70000000.000	700000.000	1300.000	1000.000
11 7 74	999.000	3500000.000	4900.000	790.000
11 10 74	999.000	540000.000	4600.000	1400.000
11 20 74	2000000000.000	490000.000	24000.000	7000.000
11 25 74	20000000.000	90000.000	3300.000	340.000
11 30 74	240000000.000	230000.000	13000.000	2400.000
12 2 74	54000000.000	210000.000	54000.000	2200.000
12 7 74	3400000.000	920000.000	54000.000	1300.000
12 11 74	3300000.000	350000.000	92000.000	9200.000
12 14 74	3300000.000	260000.000	17000.000	940.000
12 15 74	11000000.000	280000.000	24000.000	1300.000
12 18 74	49000000.000	220000.000	17000.000	2400.000
12 21 74	4900000.000	1300000.000	7000.000	790.000
12 22 74	7900000.000	540000.000	17000.000	490.000
12 26 74	11000000.000	330000.000	54000.000	1700.000
12 30 74	54000000.000	540000.000	33000.000	17000.000
1 2 75	24000000.000	310000.000	80000.000	240000.000
1 3 75	3500000.000	70000.000	70000.000	54000.000
1 4 75	2800000.000	540000.000	40000.000	79000.000
1 5 75	17000000.000	310000.000	49000.000	35000.000
1 6 75	35000000.000	130000.000	49000.000	35000.000
1 7 75	24000000.000	350000.000	92000.000	46000.000
1 8 75	24000000.000	460000.000	46000.000	21000.000
1 9 75	24000000.000	130000.000	54000.000	13000.000
1 10 75	1700000.000	22000.000	35000.000	54000.000
1 11 75	1700000.000	350000.000	54000.000	17000.000
1 12 75	330000.000	110000.000	330000.000	17000.000
1 13 75	24000000.000	340000.000	490000.000	33000.000
1 14 75	24000000.000	240000.000	49000.000	22000.000
1 15 75	7900000.000	170000.000	79000.000	24000.000
1 16 75	7000000.000	220000.000	92000.000	11000.000
1 18 75	54000000.000	130000.000	35000.000	17000.000
1 19 75	160000000.000	110000.000	13000.000	11000.000
1 20 75	2400000.000	130000.000	4900.000	3300.000
1 21 75	1800000.000	70000.000	9000.000	5400.000
1 22 75	4600000.000	280000.000	79000.000	6300.000
1 23 75	92000000.000	27000.000	17000.000	3500.000
1 24 75	63000000.000	220000.000	13000.000	9000.000
1 25 75	9200000.000	540000.000	17000.000	17000.000
1 26 75	22000000.000	490000.000	13000.000	11000.000
1 27 75	9200000.000	240000.000	22000.000	7900.000
1 28 75	3500000.000	240000.000	23000.000	4900.000
1 29 75	22000000.000	230000.000	13000.000	3300.000
1 30 75	2800000.000	60000.000	17000.000	3100.000
1 31 75	2800000.000	130000.000	24000.000	1700.000
2 1 75	5400000.000	49000.000	35000.000	2200.000
2 6 75	1100000.000	130000.000	33000.000	9200.000
2 7 75	7000000.000	130000.000	33000.000	22000.000
2 10 75	16000000.000	110000.000	35000.000	24000.000
2 28 75	700000.000	70000.000	3300.000	170.000
3 1 75	11000000.000	350000.000	4900.000	490.000
3 3 75	26000000.000	130000.000	2600.000	490.000
3 5 75	4600000.000	130000.000	700.000	330.000
3 6 75	160000000.000	79000.000	1300.000	330.000
3 7 75	28000000.000	140000.000	1700.000	790.000
3 9 75	11000000.000	23000.000	2300.000	330.000
3 11 75	4900000.000	17000.000	1100.000	230.000
3 13 75	130000000.000	330000.000	11000.000	2300.000
3 18 75	4000000.000	33000.000	46000.000	3300.000

FECAL COLIFORM MPN/100 ML

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	1700000.000	33000.000	2000.000	3300.000
3 21 75	3500000.000	79000.000	2300.000	1700.000
3 22 75	5400000.000	49000.000	2000.000	200.000
4 1 75	2400000.000	33000.000	2100.000	40.000
4 2 75	2300000.000	23000.000	500.000	20.000
4 3 75	17000000.000	79000.000	800.000	80.000
4 4 75	7900000.000	17000.000	200.000	310.000
4 5 75	33000000.000	33000.000	200.000	330.000
4 6 75	79000000.000	33000.000	110.000	20.000
4 7 75	4900000.000	8000.000	20.000	20.000
4 8 75	2700000.000	13000.000	210.000	50.000
4 9 75	7000000.000	80000.000	33000.000	5000.000
4 10 75	11000000.000	14000.000	3300.000	130.000
4 11 75	23000000.000	46000.000	2200.000	5000.000
4 12 75	7900000.000	80000.000	330.000	330.000
4 13 75	110000000.000	49000.000	330.000	50.000
4 14 75	17000000.000	110000.000	500.000	1700.000
4 15 75	11000000.000	20000.000	330.000	20.000
4 16 75	3300000.000	80000.000	330.000	20.000
4 17 75	9400000.000	230000.000	50.000	50.000
4 18 75	790000.000	17000.000	40.000	20.000
4 19 75	7900000.000	7000.000	170.000	80.000
4 20 75	11000000.000	11000.000	140.000	3300.000
4 21 75	4900000.000	8000.000	20.000	17.000
4 22 75	17000000.000	5000.000	20.000	11.000
4 23 75	49000000.000	4900.000	40.000	50.000
4 24 75	2600000.000	17000.000	130.000	170.000
4 25 75	4900000.000	11000.000	33000.000	17.000
4 26 75	49000000.000	3300.000	20.000	27000.000
4 27 75	170000000.000	3300.000	40.000	490.000
4 28 75	110000000.000	33000.000	110.000	20.000
4 29 75	33000000.000	50000.000	490.000	1700.000
4 30 75	27000000.000	79000.000	7000.000	17000.000
5 5 75	18000000.000	110000.000	4900.000	7000.000
5 6 75	3300000.000	17000.000	4900.000	3300.000
5 10 75	33000000.000	79000.000	3300.000	800.000
5 16 75	130000000.000	4900.000	490.000	330.000
5 28 75	23000000.000	4600.000	110.000	49.000
5 30 75	70000000.000	49000.000	790.000	220.000
5 31 75	4900000.000	490000.000	13000.000	130.000
6 1 75	49000000.000	230000.000	2700.000	1100.000
6 4 75	49000000.000	23000.000	46.000	79.000
6 5 75	11000000.000	13000.000	490.000	230.000
6 9 75	18000000.000	49000.000	13000.000	3300.000
6 13 75	22000000.000	2700.000	790.000	220.000
6 18 75	23000000.000	1700.000	240.000	11.000
6 20 75	330000000.000	8000.000	490.000	4.000
6 23 75	11000000.000	1100.000	20.000	110.000
6 25 75	350000000.000	7900.000	20.000	33000.000
6 28 75	22000000.000	500.000	270.000	80.000
6 29 75	4900000.000	200.000	13.000	14.000
6 30 75	23000000.000	900.000	130.000	220.000
7 1 75	140000000.000	2400.000	1100.000	330.000
7 2 75	33000000.000	490.000	240.000	79.000
7 3 75	33000000.000	400.000	17.000	17.000
7 4 75	17000000.000	2200.000	33.000	49.000
7 5 75	130000000.000	4600.000	330.000	33.000
7 6 75	31000000.000	3300.000	50.000	490.000
7 7 75	33000000.000	330000.000	1100.000	460.000

FECAL COLIFORM MPN/100 ML

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	23000000.000	80000.000	330.000	230.000
7 9 75	33000000.000	220000.000	490.000	80.000
7 10 75	11000000.000	49000.000	790.000	1100.000
7 11 75	23000000.000	23000.000	3300.000	330.000
7 12 75	79000000.000	46000.000	490.000	170.000
7 13 75	79000000.000	13000.000	230.000	8.000
7 14 75	49000000.000	13000.000	110.000	790.000
7 15 75	130000000.000	33000.000	49.000	33.000
7 16 75	70000000.000	3300.000	23.000	5.000
7 17 75	33000000.000	1400.000	130.000	1100.000
7 18 75	79000000.000	1400.000	130.000	230.000
7 19 75	33000000.000	7000.000	14.000	17.000
7 20 75	230000000.000	33000.000	79.000	1300.000
7 21 75	49000000.000	3300.000	110.000	2.000
7 22 75	700000000.000	4900.000	17.000	33.000
7 23 75	79000000.000	4900.000	918.000	170.000
7 24 75	49000000.000	33000.000	790.000	11.000
7 25 75	130000000.000	170000.000	220.000	17000.000
7 26 75	141000000.000	49000.000	20.000	790.000
7 27 75	172000000.000	490000.000	17.000	460.000
8 20 75	79000000.000	900.000	70.000	20.000
8 21 75	79000000.000	2300.000	130.000	330.000
8 22 75	49000000.000	11000.000	170.000	20.000
8 23 75	110000000.000	3300.000	460.000	2.000
8 24 75	110000000.000	4900.000	2300.000	110.000
8 25 75	70000000.000	7900.000	23.000	79.000
8 26 75	330000000.000	7900.000	46.000	110.000
8 27 75	70000000.000	220000.000	490.000	13.000
8 28 75	46000000.000	940000.000	33.000	8.000
8 29 75	220000000.000	8000.000	1100.000	80.000
9 28 75	49000000.000	110000.000	330.000	2400.000
9 29 75	33000000.000	79000.000	200.000	90.000
9 30 75	79000000.000	110000.000	54000.000	490.000
10 1 75	13000000.000	330000.000	54000.000	11000.000
10 2 75	33000000.000	330000.000	49000.000	1300.000
10 3 75	33000000.000	330000.000	35000.000	5400.000
10 4 75	79000000.000	170000.000	11000.000	330.000
10 5 75	46000000.000	110000.000	11000.000	230.000
10 6 75	49000000.000	70000.000	7900.000	1100.000
10 7 75	140000000.000	130000.000	17000.000	210.000
10 8 75	70000000.000	110000.000	1100.000	260.000
10 9 75	230000000.000	110000.000	3300.000	790.000
10 10 75	33000000.000	130000.000	4900.000	490.000
10 11 75	140000000.000	11000.000	7900.000	800.000
10 12 75	70000000.000	23000.000	1700.000	1300.000
10 13 75	2000000.000	8000.000	2700.000	1800.000
10 14 75	80000000.000	8000.000	230.000	490.000
10 15 75	7900000.000	79000.000	1300.000	70.000
10 16 75	11000000.000	240000.000	54000.000	7900.000
10 17 75	23000000.000	330000.000	49000.000	13000.000
10 18 75	23000000.000	330000.000	54000.000	13000.000
10 19 75	54000000.000	110000.000	8000.000	7900.000
10 20 75	70000000.000	110000.000	8000.000	2700.000
10 21 75	130000000.000	230000.000	8000.000	4900.000
10 22 75	23000000.000	94000.000	17000.000	940.000
10 23 75	46000000.000	49000.000	2300.000	170.000
10 24 75	230000000.000	220000.000	1700.000	140.000
10 25 75	49000000.000	140000.000	2700.000	330.000
10 26 75	49000000.000	490000.000	7900.000	700.000

FECAL COLIFORM MPN/100 ML

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	49000000.000	230000.000	23000.000	790.000
10 28 75	49000000.000	70000.000	3300.000	13000.000
10 29 75	33000000.000	79000.000	790.000	630.000
10 30 75	79000000.000	49000.000	3300.000	330.000
10 31 75	33000000.000	49000.000	1300.000	170.000
11 1 75	49000000.000	110000.000	2200.000	4900.000
11 2 75	27000000.000	110000.000	1700.000	490.000
11 3 75	33000000.000	490000.000	11000.000	1300.000
11 4 75	79000000.000	70000.000	7000.000	490.000

DISSOLVED OXYGEN MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	2.700	15.000	11.200	10.600
11 7 74	2.500	18.200	15.900	6.200
11 10 74	3.700	8.100	10.200	3.400
11 20 74	4.900	14.600	12.500	15.900
11 25 74	2.000	12.400	14.400	7.500
11 30 74	3.900	11.200	10.000	6.900
12 2 74	3.400	12.700	12.400	10.600
12 7 74	7.000	11.000	12.300	10.200
12 11 74	5.800	10.400	10.600	12.200
12 14 74	4.300	9.800	10.500	11.900
12 15 74	6.000	10.800	10.600	9.100
12 18 74	3.400	11.500	9.400	9.000
12 21 74	2.900	11.200	14.200	9.000
12 22 74	5.300	10.600	9.500	7.500
12 26 74	7.000	5.100	6.700	3.900
12 30 74	7.800	4.000	3.900	3.400
1 2 75	6.600	10.600	6.400	9.300
1 3 75	6.500	12.200	9.600	7.200
1 4 75	6.500	11.800	8.900	9.800
1 5 75	7.000	11.400	9.750	9.800
1 6 75	5.600	14.400	13.600	11.700
1 7 75	5.700	16.050	12.600	12.050
1 8 75	5.750	12.600	12.800	12.600
1 9 75	5.900	12.600	11.600	11.000
1 10 75	5.400	11.200	11.100	11.000
1 11 75	7.800	9.900	10.200	9.200
1 12 75	6.750	10.900	10.600	9.900
1 13 75	7.300	10.400	10.400	10.700
1 14 75	6.200	14.800	13.400	12.200
1 15 75	6.200	15.600	15.400	12.200
1 16 75	6.600	15.600	14.900	19.900
1 18 75	5.900	14.800	15.200	13.200
1 19 75	5.050	12.800	13.200	12.600
1 20 75	7.650	11.600	13.200	11.200
1 21 75	8.400	14.450	14.000	12.200
1 22 75	8.350	15.800	15.300	14.000
1 23 75	6.400	17.200	16.200	13.100
1 24 75	5.450	12.800	12.400	10.400
1 25 75	5.600	15.100	14.600	12.800
1 26 75	5.600	17.400	13.500	12.400
1 27 75	5.500	14.200	11.400	12.200
1 28 75	8.150	12.200	13.500	13.500
1 29 75	7.000	9.300	10.300	10.800
1 30 75	6.700	8.900	10.000	11.300
1 31 75	5.500	7.600	9.500	11.600
2 1 75	4.900	10.200	11.000	12.900
2 6 75	7.600	5.300	6.600	6.600
2 7 75	7.000	7.000	9.400	8.100
2 10 75	4.900	11.800	13.400	13.200
2 28 75	6.200	15.500	17.200	13.000
3 1 75	5.100	12.900	13.800	11.900
3 3 75	7.850	9.700	9.400	9.100
3 5 75	5.600	11.400	9.700	8.950
3 6 75	4.200	17.600	14.800	12.600
3 7 75	3.000	8.750	8.700	8.750
3 9 75	4.100	12.400	9.000	8.500
3 11 75	5.000	9.800	8.100	8.600
3 13 75	7.500	6.500	5.600	5.200
3 18 75	6.700	8.600	8.200	7.700

DISSOLVED OXYGEN MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	5.800	12.800	7.600	8.900
3 21 75	6.900	12.000	9.300	9.200
3 22 75	5.300	14.800	9.100	8.700
4 1 75	5.600	11.700	2.700	5.700
4 2 75	5.500	19.400	4.800	6.300
4 3 75	5.600	13.500	4.000	6.800
4 4 75	4.250	18.100	2.700	6.000
4 5 75	3.900	12.900	14.000	6.000
4 6 75	5.000	16.400	1.000	6.000
4 7 75	5.200	20.000	1.200	5.500
4 8 75	5.300	17.300	1.100	5.500
4 9 75	5.800	8.600	1.900	7.600
4 10 75	7.100	10.600	1.900	6.300
4 11 75	5.700	12.700	1.100	6.300
4 12 75	999.000	10.000	1.400	4.300
4 13 75	5.000	8.300	1.200	6.300
4 14 75	7.600	3.400	1.900	6.400
4 15 75	5.800	2.400	1.000	5.500
4 16 75	7.100	5.000	.900	6.300
4 17 75	5.900	2.600	.700	6.200
4 18 75	5.900	1.200	1.200	6.100
4 19 75	4.800	.900	3.100	6.900
4 20 75	4.200	2.400	1.200	6.400
4 21 75	5.200	2.200	1.100	5.400
4 22 75	4.000	4.300	.800	7.200
4 23 75	5.300	5.000	1.700	10.100
4 24 75	4.700	2.600	1.200	9.900
4 25 75	5.200	4.900	3.000	11.200
4 26 75	3.700	8.400	3.900	13.000
4 27 75	3.300	14.800	10.000	20.000
4 28 75	5.100	10.200	12.800	13.500
4 29 75	3.100	10.300	12.400	13.900
4 30 75	4.400	4.500	5.900	9.400
5 5 75	5.200	7.900	4.900	6.600
5 6 75	6.800	3.000	2.700	6.800
5 10 75	6.400	1.500	4.400	7.600
5 16 75	4.000	1.300	2.300	6.500
5 28 75	3.200	5.600	15.200	10.800
5 30 75	5.000	.800	3.700	7.200
5 31 75	6.200	3.600	7.400	9.600
6 1 75	3.900	8.100	7.500	9.300
6 4 75	2.000	18.000	17.500	12.200
6 5 75	2.500	12.400	14.500	18.000
6 9 75	4.700	6.800	12.700	10.000
6 13 75	2.400	5.800	11.300	9.700
6 18 75	1.500	8.600	13.400	13.100
6 20 75	2.450	2.300	13.600	11.100
6 23 75	.500	5.000	10.200	9.800
6 25 75	1.700	11.600	9.600	10.100
6 28 75	1.600	20.000	13.200	10.400
6 29 75	3.450	9.300	8.000	7.400
6 30 75	4.000	20.000	20.000	10.400
7 1 75	1.600	7.200	7.000	8.000
7 2 75	1.100	11.200	5.500	8.300
7 3 75	1.900	1.200	4.600	6.300
7 4 75	1.800	4.800	7.900	7.200
7 5 75	.700	5.800	6.200	5.300
7 6 75	2.350	3.100	2.500	5.800
7 7 75	2.100	4.200	7.800	7.400

DISSOLVED OXYGEN MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	2.600	9.400	12.000	10.200
7 9 75	.800	10.500	12.500	7.500
7 10 75	3.300	2.000	1.900	5.000
7 11 75	2.800	20.000	11.000	8.500
7 12 75	1.500	7.700	4.500	5.100
7 13 75	.200	4.600	9.700	10.700
7 14 75	1.400	3.400	6.400	9.100
7 15 75	.700	7.500	8.500	12.900
7 16 75	.700	7.200	8.500	10.100
7 17 75	1.500	10.500	6.700	8.100
7 18 75	1.200	14.000	16.000	8.800
7 19 75	.500	2.800	7.500	5.500
7 20 75	.600	2.400	9.300	6.000
7 21 75	.600	4.400	14.400	8.100
7 22 75	999.000	999.000	999.000	999.000
7 23 75	999.000	18.400	18.300	19.700
7 24 75	.500	7.600	10.000	6.200
7 25 75	1.800	3.500	4.900	8.200
7 26 75	.650	.700	3.800	5.000
7 27 75	1.600	1.900	9.300	5.800
8 20 75	1.600	8.000	10.000	8.400
8 21 75	999.000	999.000	999.000	999.000
8 22 75	.900	12.300	15.500	13.700
8 23 75	.850	5.100	8.700	4.800
8 24 75	1.000	6.800	7.500	6.300
8 25 75	2.200	7.900	12.800	5.500
8 27 75	.500	2.700	7.100	7.500
8 28 75	2.500	11.000	14.200	7.800
8 29 75	1.800	3.600	7.700	10.400
9 28 75	3.300	2.300	7.200	12.000
9 29 75	2.200	7.500	10.500	10.000
9 30 75	2.600	2.800	5.100	11.800
10 1 75	5.000	2.100	2.100	10.000
10 2 75	2.500	4.900	4.500	11.000
10 3 75	.600	6.300	4.900	7.800
10 4 75	1.200	4.000	4.700	10.600
10 5 75	1.200	2.500	2.800	11.600
10 6 75	1.900	2.300	1.600	5.400
10 7 75	1.100	2.500	1.600	10.600
10 8 75	.900	7.400	6.500	9.800
10 9 75	.300	14.000	11.100	9.600
10 10 75	1.200	5.800	9.000	9.900
10 11 75	2.300	4.300	11.400	10.400
10 12 75	1.900	3.800	4.600	11.600
10 13 75	1.200	3.100	5.500	10.400
10 14 75	2.500	6.100	4.400	10.000
10 15 75	2.200	3.400	2.100	9.700
10 16 75	2.300	2.100	3.300	10.500
10 17 75	6.000	1.600	2.300	5.900
10 18 75	5.000	1.800	2.700	6.300
10 19 75	999.000	999.000	999.000	999.000
10 20 75	3.300	13.400	11.200	10.400
10 21 75	2.200	16.400	13.900	12.200
10 22 75	2.300	18.600	19.600	12.400
10 23 75	1.300	3.500	6.300	13.500
10 24 75	2.100	2.800	9.600	13.200
10 25 75	1.700	4.100	3.600	8.700
10 26 75	2.900	2.000	3.800	8.400
10 27 75	2.400	2.200	3.400	9.800

DISSOLVED OXYGEN MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 28 75	2.200	10.300	2.600	12.900
10 29 75	2.600	14.000	18.800	12.200
10 30 75	3.000	4.700	8.300	12.200
10 31 75	2.000	12.100	13.400	11.300
11 1 75	2.300	8.800	6.600	9.200
11 2 75	2.100	12.300	15.100	13.200
11 3 75	2.600	7.800	8.500	9.800
11 4 75	2.100	7.800	9.200	10.400

ALKALINITY AS $CaCO_3$ MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	273.000	209.000	166.000	161.000
11 7 74	282.000	203.000	159.000	145.000
11 10 74	280.000	216.800	159.000	149.000
11 20 74	171.000	193.000	141.000	134.000
11 25 74	218.000	187.000	137.000	132.000
11 30 74	214.000	187.000	134.000	127.000
12 2 74	269.000	84.000	141.000	124.000
12 7 74	72.000	192.000	126.000	112.000
12 11 74	190.000	178.000	130.000	112.000
12 14 74	204.000	172.000	126.000	107.000
12 15 74	157.000	165.000	121.000	104.000
12 18 74	180.000	163.000	124.000	105.000
12 21 74	999.000	159.000	120.000	104.000
12 22 74	250.000	160.000	123.000	106.000
12 26 74	98.000	148.000	116.000	98.000
12 30 74	72.000	133.000	116.000	102.000
1 2 75	106.000	125.000	117.000	111.000
1 3 75	128.000	124.000	117.000	110.000
1 4 75	121.000	120.000	90.000	108.000
1 5 75	14.000	59.000	106.000	103.000
1 6 75	153.000	116.000	111.000	99.000
1 7 75	156.000	119.000	113.000	108.000
1 8 75	101.000	119.000	112.000	108.000
1 9 75	106.000	118.000	110.000	108.000
1 10 75	126.000	117.000	110.000	104.000
1 11 75	74.000	113.000	107.000	101.000
1 12 75	144.000	108.000	103.000	99.000
1 13 75	79.000	112.000	104.000	102.000
1 14 75	119.000	112.000	105.000	102.000
1 15 75	126.000	118.000	110.000	100.000
1 16 75	178.000	109.000	102.000	101.000
1 18 75	127.000	113.000	115.000	105.000
1 19 75	137.000	112.000	104.000	101.000
1 20 75	137.000	108.000	96.000	98.000
1 21 75	93.000	107.000	112.000	94.000
1 22 75	161.000	107.000	103.000	100.000
1 23 75	150.000	106.000	99.000	98.000
1 24 75	136.000	107.000	103.000	101.000
1 25 75	182.000	109.000	96.000	102.000
1 26 75	176.000	110.000	97.000	102.000
1 27 75	128.000	105.000	100.000	101.000
1 28 75	150.000	107.000	102.000	98.000
1 29 75	149.000	106.000	111.000	110.000
1 30 75	145.000	104.000	106.000	108.400
1 31 75	224.000	105.000	106.000	105.000
2 1 75	171.000	103.000	104.000	103.800
2 6 75	85.000	90.000	96.000	98.000
2 7 75	109.000	91.000	100.100	98.000
2 10 75	165.000	91.000	99.100	96.000
2 28 75	154.000	88.000	85.000	87.000
3 1 75	154.000	87.000	86.000	87.000
3 3 75	164.000	84.000	89.000	88.000
3 5 75	196.000	91.000	89.000	89.000
3 6 75	245.000	93.000	89.000	89.000
3 7 75	166.000	89.000	87.000	85.000
3 9 75	189.000	96.000	92.000	88.000
3 11 75	167.000	95.000	89.000	85.000
3 13 75	75.000	93.000	85.000	86.000
3 18 75	86.000	86.000	82.000	84.000

ALKALINITY AS $CaCO_3$ MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	75.000	82.000	83.000	84.000
3 21 75	134.000	83.000	84.000	83.000
3 22 75	131.000	84.000	84.000	82.000
4 1 75	125.000	81.000	89.000	89.000
4 2 75	127.000	81.000	89.000	89.000
4 3 75	158.000	82.000	89.000	90.000
4 4 75	158.000	84.000	92.000	93.000
4 5 75	175.000	85.000	94.000	92.000
4 6 75	185.000	83.000	96.000	95.000
4 7 75	177.000	84.000	97.000	95.000
4 8 75	189.000	88.000	94.000	95.000
4 9 75	184.000	88.000	95.000	96.000
4 10 75	65.000	82.000	92.000	90.000
4 11 75	125.000	83.000	95.000	93.000
4 12 75	146.000	83.000	91.000	92.000
4 13 75	168.000	85.000	96.000	94.000
4 14 75	59.000	85.008	96.000	92.000
4 15 75	89.000	85.000	95.000	94.000
4 16 75	102.000	84.000	97.000	95.000
4 17 75	157.000	84.000	90.000	90.000
4 18 75	132.000	85.000	92.000	89.000
4 19 75	156.000	84.000	114.000	91.000
4 20 75	160.000	91.000	93.000	94.000
4 21 75	156.000	88.000	92.000	94.000
4 22 75	177.000	91.000	95.000	100.000
4 23 75	158.000	99.000	98.000	90.000
4 24 75	165.000	92.000	95.000	85.000
4 25 75	157.000	96.000	100.000	88.000
4 26 75	247.000	98.000	96.000	85.000
4 27 75	257.000	96.000	97.000	88.000
4 28 75	193.000	99.000	102.000	81.000
4 29 75	238.000	93.000	91.000	80.000
4 30 75	185.000	96.000	92.000	82.000
5 5 75	197.000	94.000	91.000	85.000
5 6 75	103.000	94.000	88.000	81.000
5 10 75	91.000	99.000	88.000	85.000
5 16 75	109.000	100.000	94.000	81.000
5 28 75	215.000	91.000	73.000	69.000
5 30 75	180.000	91.000	103.000	83.000
5 31 75	122.000	97.000	87.000	81.000
6 1 75	101.000	93.000	86.000	83.000
6 4 75	218.000	95.000	87.000	88.000
6 5 75	226.000	97.000	87.000	84.000
6 9 75	200.000	104.000	91.000	95.000
6 13 75	237.000	97.000	93.000	88.000
6 18 75	224.000	106.000	94.000	88.000
6 20 75	262.000	104.000	45.000	88.000
6 23 75	327.000	109.000	93.000	94.000
6 25 75	254.000	109.000	92.000	94.000
6 28 75	273.000	108.000	92.000	83.000
6 29 75	262.000	119.000	91.000	87.000
6 30 75	270.000	116.000	93.000	79.000
7 1 75	249.000	119.000	95.000	85.000
7 2 75	286.000	113.000	93.000	83.000
7 3 75	299.000	118.000	96.000	85.000
7 4 75	245.000	130.000	94.000	87.000
7 5 75	285.000	119.000	97.000	88.000
7 6 75	307.000	128.000	97.000	91.000
7 7 75	278.000	118.000	97.000	88.000

ALKALINITY AS $CaCO_3$ MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
7 8 75	279.000	125.000	102.000	89.000
7 9 75	225.000	128.000	104.000	92.000
7 10 75	308.000	127.000	103.000	99.000
7 11 75	230.000	125.000	106.000	91.000
7 12 75	270.000	128.000	105.000	95.000
7 13 75	322.000	124.000	105.000	94.000
7 14 75	299.000	124.000	108.000	97.000
7 15 75	276.000	126.000	107.000	97.000
7 16 75	302.000	119.000	103.000	91.000
7 17 75	265.000	142.000	115.000	101.000
7 18 75	324.000	137.000	109.000	101.000
7 19 75	300.000	149.000	111.000	100.000
7 20 75	295.000	147.000	118.000	88.000
7 21 75	269.000	141.000	115.000	99.000
7 22 75	279.000	136.000	111.000	103.000
7 23 75	312.000	136.000	116.000	100.000
7 24 75	244.000	151.000	118.000	100.000
7 25 75	264.000	139.000	135.000	101.000
7 26 75	261.000	151.000	118.000	102.000
7 27 75	300.000	136.000	102.000	99.000
8 20 75	315.000	139.000	126.000	120.000
8 21 75	312.000	140.000	124.000	117.000
8 22 75	268.000	138.000	120.000	117.000
8 23 75	271.000	139.000	127.000	122.000
8 24 75	276.000	140.000	129.000	121.000
8 25 75	326.000	144.000	123.000	117.000
8 26 75	316.000	142.000	126.000	119.000
8 27 75	311.000	153.000	130.000	120.000
8 28 75	275.000	154.000	124.000	121.000
8 29 75	257.000	142.000	122.000	116.000
9 28 75	304.000	163.000	140.000	130.000
9 29 75	335.000	163.000	143.000	134.000
9 30 75	315.000	170.000	143.000	133.000
10 1 75	289.000	171.000	142.000	135.000
10 2 75	286.000	171.000	141.000	136.000
10 3 75	275.000	165.000	137.000	130.000
10 4 75	302.000	156.000	136.000	136.000
10 5 75	290.000	159.000	135.000	132.000
10 6 75	308.000	156.000	136.000	132.000
10 7 75	276.000	154.000	134.000	131.000
10 8 75	279.000	152.000	133.000	130.000
10 9 75	297.000	153.000	135.000	132.000
10 10 75	265.000	140.000	135.000	132.000
10 11 75	283.000	153.000	136.000	133.000
10 12 75	265.000	154.000	141.000	132.000
10 13 75	275.000	156.000	133.000	131.000
10 14 75	342.000	157.000	135.000	132.000
10 15 75	263.000	155.000	134.000	131.000
10 16 75	269.000	155.000	133.000	131.000
10 17 75	111.000	148.000	132.000	128.000
10 18 75	120.000	136.000	132.000	131.000
10 19 75	198.000	148.000	135.000	127.000
10 20 75	229.000	144.000	140.000	129.000
10 21 75	211.000	132.000	126.000	126.000
10 22 75	223.000	133.000	128.000	129.000
10 23 75	253.000	124.000	133.000	132.000
10 24 75	261.000	136.000	132.000	129.000
10 25 75	250.000	135.000	132.000	124.000
10 26 75	283.000	134.000	130.000	128.000

ALKALINITY AS $CaCO_3$ MG/L

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	183.000	137.000	130.000	124.000
10 28 75	201.000	141.000	132.000	128.000
10 29 75	201.000	132.000	133.000	130.000
10 30 75	207.000	139.000	134.000	116.000
10 31 75	233.000	120.000	135.000	130.000
11 1 75	238.000	142.000	132.000	132.000
11 2 75	258.000	140.000	136.000	132.000
11 3 75	244.000	140.000	134.000	132.000
11 4 75	240.000	140.000	130.000	129.000

PH

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	7.650	8.050	7.800	7.400
11 7 74	7.700	8.550	8.250	8.150
11 10 74	7.700	8.550	8.800	8.000
11 20 74	7.250	7.850	7.750	7.600
11 25 74	7.500	7.800	7.950	7.550
11 30 74	7.650	8.250	8.300	8.000
12 2 74	7.650	7.300	8.050	7.550
12 7 74	6.800	7.550	7.750	7.650
12 11 74	7.550	7.900	8.100	7.900
12 14 74	7.400	7.900	8.250	8.000
12 15 74	7.400	8.000	8.200	8.100
12 18 74	7.800	8.200	8.100	8.100
12 21 74	999.000	7.700	7.700	7.650
12 22 74	7.800	8.100	8.200	8.000
12 26 74	7.300	7.850	7.800	7.650
12 30 74	7.000	7.650	7.650	7.450
1 2 75	7.200	7.950	8.000	7.900
1 3 75	7.450	8.000	7.950	7.800
1 4 75	7.450	8.200	8.000	8.050
1 5 75	5.900	7.100	7.800	7.800
1 6 75	7.150	8.500	8.450	7.450
1 7 75	7.850	8.050	8.300	8.200
1 8 75	7.200	8.050	8.250	8.200
1 9 75	7.000	7.850	8.000	7.900
1 10 75	7.130	7.780	7.930	8.000
1 11 75	7.020	7.900	7.930	8.000
1 12 75	7.450	7.710	7.890	7.970
1 13 75	6.930	8.070	7.770	7.780
1 14 75	7.400	8.270	8.160	8.250
1 15 75	7.390	8.480	8.460	8.300
1 16 75	7.710	8.100	8.250	8.040
1 18 75	7.160	8.240	8.180	8.540
1 19 75	7.170	7.860	8.130	8.240
1 20 75	7.790	8.200	8.590	8.290
1 21 75	7.500	8.250	8.480	8.250
1 22 75	7.430	8.300	8.680	8.780
1 23 75	7.430	8.260	8.630	8.500
1 24 75	7.430	8.430	8.750	8.800
1 25 75	7.660	7.970	8.720	8.280
1 26 75	7.500	8.180	9.240	8.600
1 27 75	7.180	7.770	8.290	8.740
1 28 75	7.300	7.870	8.310	8.480
1 29 75	7.400	8.130	8.990	9.100
1 30 75	7.700	7.800	8.400	8.750
1 31 75	7.370	7.850	8.300	9.120
2 1 75	7.300	7.700	8.110	8.600
2 6 75	6.700	7.400	7.600	7.900
2 7 75	7.400	7.900	8.600	8.100
2 10 75	7.200	7.750	8.500	8.100
2 28 75	7.650	8.930	8.730	8.450
3 1 75	7.180	8.280	9.200	9.250
3 3 75	7.700	8.130	8.210	8.050
3 5 75	7.760	8.290	8.580	8.310
3 6 75	7.700	8.600	8.900	9.000
3 7 75	7.200	7.600	7.860	7.900
3 9 75	7.600	8.680	8.730	8.350
3 11 75	7.500	8.000	8.200	8.000
3 13 75	7.300	7.950	8.000	7.800
3 18 75	7.300	7.700	7.900	7.800

PH

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	7.400	8.800	9.000	8.200
3 21 75	7.100	8.000	8.600	8.100
3 22 75	7.600	9.000	9.000	8.200
4 1 75	7.500	8.200	7.900	7.900
4 2 75	7.200	8.700	7.900	7.800
4 3 75	7.200	8.700	7.700	7.900
4 4 75	7.200	9.200	7.800	7.800
4 5 75	7.200	9.600	7.700	7.700
4 6 75	7.600	9.600	7.600	7.900
4 7 75	7.600	9.200	7.900	7.900
4 8 75	7.500	9.300	7.800	7.900
4 9 75	7.400	9.200	7.700	7.800
4 10 75	6.500	8.600	7.200	7.200
4 11 75	7.300	9.000	7.600	7.600
4 12 75	7.300	9.300	7.300	7.400
4 13 75	7.400	9.200	7.700	7.700
4 14 75	6.800	8.600	7.400	7.300
4 15 75	7.100	7.700	7.750	7.600
4 16 75	6.950	8.000	7.450	7.400
4 17 75	7.700	8.100	7.900	8.000
4 18 75	7.000	7.600	7.600	7.900
4 19 75	7.400	8.100	7.900	7.800
4 20 75	7.350	7.850	7.850	7.800
4 21 75	7.300	7.800	7.800	7.800
4 22 75	7.400	8.000	7.800	7.800
4 23 75	7.200	7.700	7.550	7.900
4 24 75	7.000	7.450	7.600	7.900
4 25 75	7.500	7.800	7.600	8.200
4 26 75	7.150	7.600	7.700	9.050
4 27 75	7.600	7.800	7.700	9.600
4 28 75	7.500	8.000	8.100	9.600
4 29 75	7.350	8.050	8.150	9.600
4 30 75	7.300	7.800	8.000	9.100
5 5 75	7.300	7.900	8.100	9.200
5 6 75	7.100	7.700	7.800	7.600
5 10 75	7.000	7.500	7.800	7.700
5 16 75	7.100	7.550	7.650	8.000
5 28 75	7.350	8.100	9.200	9.400
5 30 75	7.400	8.300	9.400	9.300
5 31 75	7.500	8.300	8.800	9.000
6 1 75	7.050	8.600	9.100	9.300
6 4 75	7.300	8.800	10.100	9.200
6 5 75	7.500	8.900	9.600	9.900
6 9 75	7.500	8.700	10.000	9.700
6 13 75	7.450	9.050	9.900	9.600
6 18 75	7.430	8.650	9.550	10.200
6 20 75	7.600	8.700	9.500	9.900
6 23 75	7.700	8.500	9.500	9.900
6 25 75	7.500	9.400	9.800	10.200
6 28 75	7.350	8.800	9.400	9.750
6 29 75	7.350	8.650	9.800	10.200
6 30 75	7.600	8.600	9.600	10.000
7 1 75	7.300	8.100	9.400	9.850
7 2 75	7.100	7.750	8.700	9.400
7 3 75	7.400	8.300	9.000	9.700
7 4 75	7.100	8.400	9.300	10.000
7 5 75	7.350	9.050	9.800	10.000
7 6 75	7.600	8.300	9.500	10.000
7 7 75	7.600	9.100	9.500	9.900

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                PH

    DATE              INFLUENT       POND NO 1       POND NO 2       POND NO 3
  7  8 75               7.600           8.500           9.500           9.700
  7  9 75               7.500           8.100           9.000           9.700
  7 10 75               7.700           8.900           9.400           9.700
  7 11 75               7.350           8.600           9.200           9.400
  7 12 75               7.500           8.800           9.100           9.600
  7 13 75               7.500           9.000           9.400           9.500
  7 14 75               7.500           8.900           9.400          10.000
  7 15 75               7.600           8.500           9.100           9.800
  7 16 75               7.500           9.000           9.300          10.100
  7 17 75               7.300           8.200           9.100           9.900
  7 18 75               7.700           8.100           9.000          10.100
  7 19 75               7.600           7.900           8.700          10.000
  7 20 75               7.500           7.900           8.800           9.400
  7 21 75               7.500           8.000           8.900          10.100
  7 22 75               7.400           8.800           9.100          10.200
  7 23 75               7.600           9.200           9.000           9.900
  7 24 75               6.900           7.800           9.100          10.500
  7 25 75               7.500           8.100           9.100          10.300
  7 26 75               7.600           8.000           9.100          10.200
  7 27 75               7.500           7.900           9.500          10.200
  8 20 75               7.500           9.400          10.000          10.100
  8 21 75               7.700           9.600           9.600          10.100
  8 22 75               7.450           9.200           9.900          10.000
  8 23 75               7.600           9.400           9.900          10.000
  8 24 75               7.600           9.500           9.900          10.100
  8 25 75               7.700           9.150           9.800           9.950
  8 26 75               7.600           9.200           9.800          10.000
  8 27 75               7.700           8.800           9.600           9.400
  8 28 75               7.700           9.300           9.900           9.700
  8 29 75               7.700           8.900           9.600           9.300
  9 28 75               7.600           8.200           9.000           9.300
  9 29 75               7.550           7.850           8.900           9.200
  9 30 75               7.600           7.800           8.500           9.300
 10  1 75               7.600           7.800           8.800           9.300
 10  2 75               7.600           7.800           8.800           9.200
 10  3 75               7.600           8.300           8.900           9.300
 10  4 75               7.600           8.300           8.800           9.200
 10  5 75               7.600           7.700           8.500           9.100
 10  6 75               7.600           7.900           8.300           8.700
 10  7 75               7.250           7.800           8.100           8.600
 10  8 75               7.500           8.000           8.200           8.700
 10  9 75               7.400           8.400           8.600           9.000
 10 10 75               7.500           8.400           8.900           9.200
 10 11 75               7.600           8.500           9.100           9.000
 10 12 75               7.500           8.650           9.000           8.950
 10 13 75               7.400           8.500           8.900           9.050
 10 14 75               7.400           8.800           9.200           9.100
 10 15 75               7.400           8.800           9.100           9.000
 10 16 75               7.400           8.100           9.100           9.000
 10 17 75               6.900           7.500           7.600           7.800
 10 18 75               7.300           7.600           7.600           7.700
 10 19 75               7.500           7.700           7.800           7.900
 10 20 75               7.600           8.200           8.400           8.500
 10 21 75               7.300           8.100           8.400           8.700
 10 22 75               7.500           8.200           8.700           8.800
 10 23 75               7.500           8.300           8.900           9.000
 10 24 75               7.500           7.800           8.500           9.000
 10 25 75               7.500           7.500           8.400           8.700
 10 26 75               7.500           7.600           8.200           8.500
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PH

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	7.300	7.700	8.100	8.250
10 28 75	7.100	7.600	7.750	8.500
10 29 75	7.300	7.650	8.350	9.000
10 30 75	7.550	8.200	8.850	8.100
10 31 75	7.200	8.000	8.800	8.700
11 1 75	7.200	7.700	8.500	8.750
11 2 75	7.200	7.900	8.600	8.800
11 3 75	7.800	8.000	8.900	8.700
11 4 75	7.300	7.700	7.800	8.500

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                 MIN AIR TEMP             DEG F        X 0.555 (°F-32) = C

  DATE
11  1 74        59.000
11  2 74        55.000
11  3 74        50.000
11  4 74        51.000
11  5 74        46.000
11  6 74        34.000
11  7 74        34.000
11  8 74        39.000
11  9 74        34.000
11 10 74        34.000
11 11 74        55.000
11 12 74        36.000
11 13 74        28.000
11 14 74        29.000
11 15 74        22.000
11 16 74        21.000
11 17 74        29.000
11 18 74        46.000
11 19 74        52.000
11 20 74        54.000
11 21 74        32.000
11 22 74        32.000
11 23 74        33.000
11 24 74        36.000
11 25 74        33.000
11 26 74        25.000
11 27 74        24.000
11 28 74        22.000
11 29 74        22.000
11 30 74        27.000
12  1 74        28.000
12  2 74        29.000
12  3 74        22.000
12  4 74        19.000
12  5 74        18.000
12  6 74        20.000
12  7 74        39.000
12  8 74        42.000
12  9 74        20.000
12 10 74        17.000
12 11 74        17.000
12 12 74        36.000
12 13 74        27.000
12 14 74        28.000
12 15 74        31.000
12 16 74        28.000
12 17 74        24.000
12 18 74        21.000
12 19 74        22.000
12 20 74        38.000
12 21 74        23.000
12 22 74        22.000
12 23 74        27.000
12 24 74        45.000
12 25 74        45.000
12 26 74        34.000
12 27 74        35.000
12 28 74        47.000
12 29 74        46.000
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                  MIN AIR TEMP                DEG F          X 0.555(°F-32) = C

    DATE
 12 30 74           58.000
 12 31 74           59.000
  1  1 75           48.000
  1  2 75           35.000
  1  3 75           36.000
  1  4 75           30.000
  1  5 75           21.000
  1  6 75           21.000
  1  7 75           30.000
  1  8 75           34.000
  1  9 75           34.000
  1 10 75           35.000
  1 11 75           30.000
  1 12 75           30.000
  1 13 75           16.000
  1 14 75           15.000
  1 15 75           15.000
  1 16 75           23.000
  1 17 75           29.000
  1 18 75           31.000
  1 19 75           51.000
  1 20 75           28.000
  1 21 75           21.000
  1 22 75           20.000
  1 23 75           31.000
  1 24 75           28.000
  1 25 75           30.000
  1 26 75           31.000
  1 27 75           31.000
  1 28 75           52.000
  1 29 75           56.000
  1 30 75           52.000
  1 31 75           51.000
  2  1 75           61.000
  2  2 75           48.000
  2  3 75           46.000
  2  4 75           44.000
  2  5 75           45.000
  2  6 75           36.000
  2  7 75           25.000
  2  8 75           18.000
  2  9 75           19.000
  2 10 75           21.000
  2 11 75           23.000
  2 12 75           42.000
  2 13 75           35.000
  2 14 75           28.000
  2 15 75           28.000
  2 16 75           38.000
  2 17 75           46.000
  2 18 75           45.000
  2 19 75           39.000
  2 20 75           26.000
  2 21 75           26.000
  2 22 75           30.000
  2 23 75           57.000
  2 24 75           31.000
  2 25 75           29.000
  2 26 75           28.000
```

```
              MIN AIR TEMP            DEG F        X 0.555(°F-32) = C

  DATE
2 27 75             31.000
2 28 75             31.000
3  1 75             31.000
3  2 75             27.000
3  3 75             27.000
3  4 75             31.000
3  5 75             23.000
3  6 75             23.000
3  7 75             45.000
3  8 75             35.000
3  9 75             32.000
3 10 75             40.000
3 11 75             41.000
3 12 75             41.000
3 13 75             47.000
3 14 75             29.000
3 15 75             29.000
3 16 75             31.000
3 17 75             46.000
3 18 75             46.000
3 19 75             46.000
3 20 75             34.000
3 21 75             34.000
3 22 75             41.000
3 23 75             45.000
3 24 75             57.000
3 25 75             36.000
3 26 75             36.000
3 27 75             39.000
3 28 75             54.000
3 29 75             49.000
3 30 75             30.000
3 31 75             30.000
4  1 75             34.000
4  2 75             45.000
4  3 75             34.000
4  4 75             28.000
4  5 75             27.000
4  6 75             34.000
4  7 75             36.000
4  8 75             40.000
4  9 75             49.000
4 10 75             56.000
4 11 75             51.000
4 12 75             34.000
4 13 75             34.000
4 14 75             36.000
4 15 75             39.000
4 16 75             39.000
4 17 75             52.000
4 18 75             56.000
4 19 75             56.000
4 20 75             40.000
4 21 75             38.000
4 22 75             38.000
4 23 75             41.000
4 24 75             52.000
4 25 75             53.000
4 26 75             52.000
```

```
        MIN AIR TEMP              DEG F        X 0.555(°F-32) = C

 DATE
4 27 75           62.000
4 28 75           61.000
4 29 75           62.000
4 30 75           60.000
5  1 75           56.000
5  2 75           56.000
5  3 75           56.000
5  4 75           56.000
5  5 75           54.000
5  6 75           57.000
5  7 75           64.000
5  8 75           65.000
5  9 75           60.000
5 10 75           52.000
5 11 75           52.000
5 12 75           55.000
5 13 75           56.000
5 14 75           57.000
5 15 75           60.000
5 16 75           63.000
5 17 75           63.000
5 18 75           53.000
5 19 75           56.000
5 20 75           56.000
5 21 75           60.000
5 22 75           60.000
5 23 75           61.000
5 24 75           62.000
5 25 75           65.000
5 26 75           64.000
5 27 75           60.000
5 28 75           64.000
5 29 75           64.000
5 30 75           62.000
5 31 75           62.000
6  1 75           60.000
6  2 75           53.000
6  3 75           54.000
6  4 75           56.000
6  5 75           58.000
6  6 75           69.000
6  7 75           61.000
6  8 75           60.000
6  9 75           64.000
6 10 75           64.000
6 11 75           68.000
6 12 75           67.000
6 13 75           54.000
6 14 75           54.000
6 15 75           64.000
6 16 75           62.000
6 17 75           62.000
6 18 75           69.000
6 19 75           65.000
6 20 75           66.000
6 21 75           65.000
6 22 75           67.000
6 23 75           66.000
6 24 75           65.000
```

```
              MIN AIR TEMP                DEG F        X 0.555(°F-32) = C
    DATE
  6 25 75                60.000
  6 26 75                60.000
  6 27 75                66.000
  6 28 75                66.000
  6 29 75                65.000
  6 30 75                65.000
  7  1 75                69.000
  7  2 75                68.000
  7  3 75                68.000
  7  4 75                68.000
  7  5 75                68.000
  7  6 75                70.000
  7  7 75                70.000
  7  8 75                69.000
  7  9 75                68.000
  7 10 75                68.000
  7 11 75                68.000
  7 12 75                59.000
  7 13 75                58.000
  7 14 75                58.000
  7 15 75                62.000
  7 16 75                63.000
  7 17 75                58.000
  7 18 75                68.000
  7 19 75                69.000
  7 20 75                70.000
  7 21 75                70.000
  7 22 75                70.000
  7 23 75                72.000
  7 24 75                72.000
  7 25 75                72.000
  7 26 75                72.000
  7 27 75                71.000
  7 28 75                67.000
  7 29 75                68.000
  7 30 75                71.000
  7 31 75                70.000
  8  1 75                70.000
  8  2 75                71.000
  8  3 75                70.000
  8  4 75                70.000
  8  5 75                71.000
  8  6 75                66.000
  8  7 75                68.000
  8  8 75                64.000
  8  9 75                64.000
  8 10 75                65.000
  8 11 75                67.000
  8 12 75                67.000
  8 13 75                67.000
  8 14 75                69.000
  8 15 75                69.000
  8 16 75                69.000
  8 17 75                68.000
  8 18 75                68.000
  8 19 75                69.000
  8 20 75                67.000
  8 21 75                67.000
  8 22 75                68.000
```

```
              MIN AIR TEMP               DEG F          X 0.555(°F-32) = C

   DATE
 8 23 75           67.000
 8 24 75           67.000
 8 25 75           67.000
 8 26 75           66.000
 8 27 75           66.000
 8 28 75           68.000
 8 29 75           68.000
 8 30 75           68.000
 8 31 75           65.000
 9  1 75           65.000
 9  2 75           65.000
 9  3 75           66.000
 9  4 75           65.000
 9  5 75           65.000
 9  6 75           68.000
 9  7 75           65.000
 9  8 75           63.000
 9  9 75           63.000
 9 10 75           68.000
 9 11 75           67.000
 9 12 75           69.000
 9 13 75           54.000
 9 14 75           48.000
 9 15 75           48.000
 9 16 75           58.000
 9 17 75           64.000
 9 18 75           60.000
 9 19 75           61.000
 9 20 75           61.000
 9 21 75           50.000
 9 22 75           51.000
 9 23 75           54.000
 9 24 75           52.000
 9 25 75           44.000
 9 26 75           42.000
 9 27 75           40.000
 9 28 75           39.000
 9 29 75           40.000
 9 30 75           41.000
10  1 75           51.000
10  2 75           48.000
10  3 75           41.000
10  4 75           40.000
10  5 75           46.000
10  6 75           57.000
10  7 75           59.000
10  8 75           64.000
10  9 75           48.000
10 10 75           48.000
10 11 75           51.000
10 12 75           52.000
10 13 75           53.000
10 14 75           51.000
10 15 75           51.000
10 16 75           57.000
10 17 75           59.000
10 18 75           44.000
10 19 75           34.000
10 20 75           33.000
```

```
                 MIN AIR TEMP              DEG F          X 0.555(°F-32) = C

   DATE
10 21 75           33.000
10 22 75           39.000
10 23 75           41.000
10 24 75           45.000
10 25 75           61.000
10 26 75           47.000
10 27 75           45.000
10 28 75           52.000
10 29 75           53.000
10 30 75           46.000
10 31 75           33.000
11  1 75           53.000
11  2 75           46.000
11  3 75           46.000
11  4 75           53.000
```

```
                 MAX AIR TEMP                     DEG F        X 0.555(°F-32) = C

   DATE
12  1 74              43.000
12  2 74              38.000
12  3 74              49.000
12  4 74              54.000
12  5 74              58.000
12  6 74              63.000
12  7 74              53.000
12  8 74              58.000
12  9 74              46.000
12 10 74              46.000
12 11 74              57.000
12 12 74              59.000
12 13 74              55.000
12 14 74              60.000
12 15 74              65.000
12 16 74              56.000
12 17 74              52.000
12 18 74              46.000
12 19 74              61.000
12 20 74              59.000
12 21 74              62.000
12 22 74              63.000
12 23 74              70.000
12 24 74              73.000
12 25 74              66.000
12 26 74              46.000
12 27 74              49.000
12 28 74              53.000
12 29 74              60.000
12 30 74              62.000
12 31 74              63.000
 1  1 75              71.000
 1  2 75              57.000
 1  3 75              54.000
 1  4 75              48.000
 1  5 75              50.000
 1  6 75              53.000
 1  7 75              61.000
 1  8 75              62.000
 1  9 75              69.000
 1 10 75              72.000
 1 11 75              69.000
 1 12 75              54.000
 1 13 75              34.000
 1 14 75              32.000
 1 15 75              49.000
 1 16 75              60.000
 1 17 75              61.000
 1 18 75              54.000
 1 19 75              63.000
 1 20 75              61.000
 1 21 75              42.000
 1 22 75              51.000
 1 23 75              55.000
 1 24 75              60.000
 1 25 75              53.000
 1 26 75              62.000
 1 27 75              63.000
 1 28 75              78.000
```

```
             MAX AIR TEMP              DEG F          X 0.555(°F-32) = C

   DATE
 1 29 75           77.000
 1 30 75           72.000
 1 31 75           75.000
 2  1 75           76.000
 2  2 75           68.000
 2  3 75           50.000
 2  4 75           49.000
 2  5 75           54.000
 2  6 75           63.000
 2  7 75           37.000
 2  8 75           43.000
 2  9 75           57.000
 2 10 75           41.000
 2 11 75           56.000
 2 12 75           71.000
 2 13 75           48.000
 2 14 75           62.000
 2 15 75           68.000
 2 16 75           71.000
 2 17 75           72.000
 2 18 75           61.000
 2 19 75           68.000
 2 20 75           52.000
 2 21 75           61.000
 2 22 75           73.000
 2 23 75           72.000
 2 24 75           71.000
 2 25 75           47.000
 2 26 75           65.000
 2 27 75           69.000
 2 28 75           62.000
 3  1 75           65.000
 3  2 75           69.000
 3  3 75           49.000
 3  4 75           47.000
 3  5 75           50.000
 3  6 75           61.000
 3  7 75           64.000
 3  8 75           76.000
 3  9 75           48.000
 3 10 75           50.000
 3 11 75           58.000
 3 12 75           70.000
 3 13 75           73.000
 3 14 75           49.000
 3 15 75           50.000
 3 16 75           52.000
 3 17 75           57.000
 3 18 75           64.000
 3 19 75           67.000
 3 20 75           65.000
 3 21 75           77.000
 3 22 75           78.000
 3 23 75           81.000
 3 24 75           81.000
 3 25 75           69.000
 3 26 75           66.000
 3 27 75           77.000
 3 28 75           78.000
```

```
           MAX AIR TEMP              DEG F         X 0.555(°F-32) = C

 DATE
3 29 75           74.000
3 30 75           52.000
3 31 75           51.000
4  1 75           61.000
4  2 75           72.000
4  3 75           78.000
4  4 75           58.000
4  5 75           63.000
4  6 75           68.000
4  7 75           72.000
4  8 75           67.000
4  9 75           59.000
4 10 75           69.000
4 11 75           73.000
4 12 75           63.000
4 13 75           66.000
4 14 75           59.000
4 15 75           55.000
4 16 75           69.000
4 17 75           78.000
4 18 75           76.000
4 19 75           84.000
4 20 75           70.000
4 21 75           73.000
4 22 75           75.000
4 23 75           81.000
4 24 75           74.000
4 25 75           85.000
4 26 75           82.000
4 27 75           85.000
4 28 75           85.000
4 29 75           80.000
4 30 75           69.000
5  1 75           72.000
5  2 75           79.000
5  3 75           77.000
5  4 75           70.000
5  5 75           81.000
5  6 75           79.000
5  7 75           81.000
5  8 75           75.000
5  9 75           79.000
5 10 75           76.000
5 11 75           81.000
5 12 75           82.000
5 13 75           83.000
5 14 75           80.000
5 15 75           81.000
5 16 75           74.000
5 17 75           72.000
5 18 75           76.000
5 19 75           84.000
5 20 75           85.000
5 21 75           67.000
5 22 75           68.000
5 23 75           90.000
5 24 75           88.000
5 25 75           89.000
5 26 75           88.000
```

```
               MAX AIR TEMP                DEG F         X 0.555(°F-32) = C

 DATE
5 27 75               86.000
5 28 75               85.000
5 29 75               87.000
5 30 75               83.000
5 31 75               80.000
6  1 75               82.000
6  2 75               80.000
6  3 75               83.000
6  4 75               86.000
6  5 75               89.000
6  6 75               87.000
6  7 75               80.000
6  8 75               85.000
6  9 75               85.000
6 10 75               80.000
6 11 75               79.000
6 12 75               81.000
6 13 75               83.000
6 14 75               86.000
6 15 75               83.000
6 16 75               82.000
6 17 75               89.000
6 18 75               90.000
6 19 75               90.000
6 20 75               90.000
6 21 75               90.000
6 22 75               89.000
6 23 75               87.000
6 24 75               85.000
6 25 75               88.000
6 26 75               87.000
6 27 75               88.000
6 28 75               88.000
6 29 75               89.000
6 30 75               90.000
7  1 75               92.000
7  2 75               92.000
7  3 75               91.000
7  4 75               91.000
7  5 75               93.000
7  6 75               95.000
7  7 75               92.000
7  8 75               96.000
7  9 75               88.000
7 10 75               93.000
7 11 75               82.000
7 12 75               85.000
7 13 75               86.000
7 14 75               85.000
7 15 75               88.000
7 16 75               90.000
7 17 75               90.000
7 18 75               87.000
7 19 75               90.000
7 20 75               91.000
7 21 75               93.000
7 22 75               94.000
7 23 75               94.000
7 24 75               92.000
```

```
              MAX AIR TEMP            DEG F          X 0.555(°F-32) = C

  DATE
 7 25 75              90.000
 7 26 75              86.000
 7 27 75              90.000
 7 28 75              90.000
 7 29 75              86.000
 7 30 75              86.000
 7 31 75              78.000
 8  1 75              78.000
 8  2 75              76.000
 8  3 75              85.000
 8  4 75              85.000
 8  5 75              81.000
 8  6 75              81.000
 8  7 75              88.000
 8  8 75              86.000
 8  9 75              85.000
 8 10 75              85.000
 8 11 75              87.000
 8 12 75              86.000
 8 13 75              91.000
 8 14 75              94.000
 8 15 75              92.000
 8 16 75              90.000
 8 17 75              92.000
 8 18 75              88.000
 8 19 75              85.000
 8 20 75              91.000
 8 21 75              91.000
 8 22 75              90.000
 8 23 75              90.000
 8 24 75              91.000
 8 25 75              90.000
 8 26 75              92.000
 8 27 75              91.000
 8 28 75              92.000
 8 29 75              94.000
 8 30 75              89.000
 8 31 75              89.000
 9  1 75              91.000
 9  2 75              93.000
 9  3 75              95.000
 9  4 75              93.000
 9  5 75              93.000
 9  6 75              91.000
 9  7 75              81.000
 9  8 75              85.000
 9  9 75              88.000
 9 10 75              91.000
 9 11 75              91.000
 9 12 75              89.000
 9 13 75              75.000
 9 14 75              74.000
 9 15 75              77.000
 9 16 75              89.000
 9 17 75              73.000
 9 18 75              76.000
 9 19 75              83.000
 9 20 75              86.000
 9 21 75              78.000
```

```
              MAX AIR TEMP              DEG F        X 0.555(°F-32) = C

     DATE
   9 22 75           79.000
   9 23 75           65.000
   9 24 75           61.000
   9 25 75           69.000
   9 26 75           71.000
   9 27 75           72.000
   9 28 75           75.000
   9 29 75           75.000
   9 30 75           82.000
  10  1 75           81.000
  10  2 75           74.000
  10  3 75           68.000
  10  4 75           71.000
  10  5 75           75.000
  10  6 75           64.000
  10  7 75           69.000
  10  8 75           72.000
  10  9 75           81.000
  10 10 75           85.000
  10 11 75           86.000
  10 12 75           90.000
  10 13 75           90.000
  10 14 75           88.000
  10 15 75           87.000
  10 16 75           65.000
  10 17 75           65.000
  10 18 75           67.000
  10 19 75           64.000
  10 20 75           69.000
  10 21 75           75.000
  10 22 75           79.000
  10 23 75           77.000
  10 24 75           78.000
  10 25 75           81.000
  10 26 75           66.000
  10 27 75           64.000
  10 28 75           72.000
  10 29 75           81.000
  10 30 75           83.000
  10 31 75           76.000
  11  1 75           74.000
  11  1 75           81.000
  11  2 75           80.000
  11  2 75           76.000
  11  3 75           83.000
  11  3 75           79.000
  11  4 75           81.000
  11  4 75           81.000
  11  5 75           76.000
  11  6 75           64.000
  11  7 75           66.000
  11  8 75           52.000
  11  9 75           62.000
  11 10 75           71.000
  11 11 75           70.000
  11 12 75           63.000
  11 13 75           59.000
  11 14 75           67.000
  11 15 75           48.000
```

```
                MAX AIR TEMP          DEG F        X 0.555(°F-32) = C

   DATE
 11 16 75           55.000
 11 17 75           53.000
 11 18 75           54.000
 11 19 75           64.000
 11 20 75           75.000
 11 21 75           66.000
 11 22 75           72.000
 11 23 75           75.000
 11 24 75           76.000
 11 25 75           71.000
 11 26 75           53.000
 11 27 75           59.000
 11 28 75           59.000
 11 29 75           60.000
 11 30 75           60.000
```

```
                RAINFALL                          INCHES        1 INCH = 25.4mm

   DATE
11  1 74             .000
11  2 74             .000
11  3 74             .000
11  4 74             .000
11  5 74            1.120
11  6 74             .000
11  7 74             .000
11  8 74             .090
11  9 74             .000
11 10 74             .000
11 11 74             .470
11 12 74             .000
11 13 74             .000
11 14 74             .070
11 15 74             .000
11 16 74             .000
11 17 74             .170
11 18 74             .220
11 19 74             .110
11 20 74             .940
11 21 74             .000
11 22 74             .000
11 23 74             .000
11 24 74             .000
11 25 74             .490
11 26 74             .000
11 27 74             .000
11 28 74             .000
11 29 74             .000
11 30 74             .260
12  1 74             .000
12  2 74             .000
12  3 74             .000
12  4 74             .000
12  5 74             .000
12  6 74             .080
12  7 74            2.590
12  8 74             .000
12  9 74             .000
12 10 74             .000
12 11 74             .180
12 12 74             .000
12 13 74             .000
12 14 74             .000
12 15 74             .770
12 16 74             .000
12 17 74             .000
12 18 74             .000
12 19 74             .000
12 20 74             .000
12 21 74             .000
12 22 74             .000
12 23 74             .000
12 24 74            1.610
12 25 74            1.760
12 26 74             .070
12 27 74             .960
12 28 74             .320
12 29 74             .660
```

RAINFALL INCHES 1 INCH = 25.4mm

DATE	
12 30 74	1.170
12 31 74	.340
1 1 75	.000
1 2 75	.000
1 3 75	.390
1 4 75	.410
1 5 75	.000
1 6 75	.000
1 7 75	.000
1 8 75	.340
1 9 75	.050
1 10 75	.280
1 11 75	.760
1 12 75	.050
1 13 75	.150
1 14 75	.000
1 15 75	.000
1 16 75	.000
1 17 75	.000
1 18 75	.000
1 19 75	.070
1 20 75	.770
1 21 75	.000
1 22 75	.000
1 23 75	.000
1 24 75	.000
1 25 75	.190
1 26 75	.000
1 27 75	.000
1 28 75	.000
1 29 75	.000
1 30 75	.160
1 31 75	.000
2 1 75	.530
2 2 75	1.320
2 3 75	1.570
2 4 75	.590
2 5 75	.180
2 6 75	.000
2 7 75	.000
2 8 75	.000
2 9 75	.070
2 10 75	.000
2 11 75	.000
2 12 75	.110
2 13 75	.000
2 14 75	.000
2 15 75	.000
2 16 75	1.840
2 17 75	1.170
2 18 75	.130
2 19 75	.000
2 20 75	.000
2 21 75	.000
2 22 75	.000
2 23 75	.000
2 24 75	.550
2 25 75	.000
2 26 75	.000

RAINFALL INCHES 1 INCH = 25.4mm

DATE	
2 27 75	.270
2 28 75	.000
3 1 75	.000
3 2 75	.000
3 3 75	.000
3 4 75	.000
3 5 75	.000
3 6 75	.000
3 7 75	.000
3 8 75	.000
3 9 75	.000
3 10 75	.700
3 11 75	.060
3 12 75	.000
3 13 75	2.230
3 14 75	1.410
3 15 75	.000
3 16 75	.000
3 17 75	.000
3 18 75	.450
3 19 75	.510
3 20 75	.000
3 21 75	.000
3 22 75	.000
3 23 75	.000
3 24 75	1.870
3 25 75	.000
3 26 75	.000
3 27 75	.000
3 28 75	.000
3 29 75	1.470
3 30 75	.380
3 31 75	.000
4 1 75	.000
4 2 75	.000
4 3 75	.000
4 4 75	.000
4 5 75	.000
4 6 75	.000
4 7 75	.000
4 8 75	.000
4 9 75	.280
4 10 75	.500
4 11 75	.000
4 12 75	.000
4 13 75	.000
4 14 75	1.950
4 15 75	.090
4 16 75	.000
4 17 75	.000
4 18 75	.000
4 19 75	.370
4 20 75	.290
4 21 75	.000
4 22 75	.000
4 23 75	.000
4 24 75	.000
4 25 75	.000
4 26 75	.000

RAINFALL INCHES 1 INCH = 25.4mm

DATE	
4 27 75	.000
4 28 75	.000
4 29 75	.410
4 30 75	1.000
5 1 75	.230
5 2 75	.000
5 3 75	.180
5 4 75	.960
5 5 75	.000
5 6 75	.240
5 7 75	.210
5 8 75	1.290
5 9 75	.000
5 10 75	.540
5 11 75	.000
5 12 75	.000
5 13 75	.000
5 14 75	.000
5 15 75	1.070
5 16 75	.170
5 17 75	.000
5 18 75	.000
5 19 75	.000
5 20 75	.000
5 21 75	.000
5 22 75	.000
5 23 75	.000
5 24 75	.000
5 25 75	.000
5 26 75	.000
5 27 75	.650
5 28 75	.000
5 29 75	.130
5 30 75	.530
5 31 75	.190
6 1 75	.000
6 2 75	.000
6 3 75	.000
6 4 75	.000
6 5 75	.000
6 6 75	.100
6 7 75	.440
6 8 75	.000
6 9 75	.000
6 10 75	1.150
6 11 75	.840
6 12 75	.190
6 13 75	.000
6 14 75	.000
6 15 75	.210
6 16 75	.260
6 17 75	.000
6 18 75	.000
6 19 75	.200
6 20 75	.000
6 21 75	.000
6 22 75	.000
6 23 75	.090
6 24 75	.000

RAINFALL INCHES 1 INCH = 25.4mm

DATE	
6 25 75	.000
6 26 75	.000
6 27 75	.000
6 28 75	.000
6 29 75	.000
6 30 75	.000
7 1 75	.000
7 2 75	.000
7 3 75	.000
7 4 75	.000
7 5 75	.000
7 6 75	.000
7 7 75	.000
7 8 75	1.590
7 9 75	.000
7 10 75	1.040
7 11 75	.050
7 12 75	.000
7 13 75	.000
7 14 75	.000
7 15 75	.000
7 16 75	.000
7 17 75	.000
7 18 75	.000
7 19 75	.060
7 20 75	.050
7 21 75	.080
7 22 75	.000
7 23 75	.300
7 24 75	.000
7 25 75	.000
7 26 75	.280
7 27 75	.000
7 28 75	.000
7 29 75	.090
7 30 75	.000
7 31 75	.200
8 1 75	.720
8 2 75	.860
8 3 75	.560
8 4 75	.000
8 5 75	1.100
8 6 75	.140
8 7 75	.000
8 8 75	.000
8 9 75	.000
8 10 75	.990
8 11 75	.000
8 12 75	.790
8 13 75	.000
8 14 75	.000
8 15 75	.300
8 16 75	.000
8 17 75	.500
8 18 75	.000
8 19 75	.000
8 20 75	.000
8 21 75	.000
8 22 75	.000

RAINFALL INCHES 1 INCH = 25.4mm

DATE	
8 23 75	.000
8 24 75	.000
8 25 75	.000
8 26 75	.000
8 27 75	.000
8 28 75	.000
8 29 75	.220
8 30 75	.000
8 31 75	.300
9 1 75	.000
9 2 75	.000
9 3 75	.000
9 4 75	.000
9 5 75	.000
9 6 75	.770
9 7 75	1.020
9 8 75	.000
9 9 75	.000
9 10 75	.000
9 11 75	.000
9 12 75	.000
9 13 75	.660
9 14 75	.000
9 15 75	.000
9 16 75	.000
9 17 75	.350
9 18 75	.110
9 19 75	.000
9 20 75	.000
9 21 75	.140
9 22 75	.000
9 23 75	.090
9 24 75	.080
9 25 75	.000
9 26 75	.000
9 27 75	.000
9 28 75	.000
9 29 75	.000
9 30 75	.000
10 1 75	.620
10 2 75	.630
10 3 75	.000
10 4 75	.000
10 5 75	.000
10 6 75	.080
10 7 75	.000
10 8 75	.000
10 9 75	.000
10 10 75	.000
10 11 75	.000
10 12 75	.000
10 13 75	.000
10 14 75	.000
10 15 75	.000
10 16 75	.320
10 17 75	4.070
10 18 75	.000
10 19 75	.000
10 20 75	.000

RAINFALL	INCHES	1 INCH = 25.4mm
DATE		
10 21 75	.000	
10 22 75	.000	
10 23 75	.000	
10 24 75	.000	
10 25 75	.000	
10 26 75	.860	
10 27 75	.000	
10 28 75	.000	
10 29 75	.000	
10 30 75	.000	
10 31 75	.000	
11 1 75	.000	
11 2 75	.000	
11 3 75	.000	
11 4 75	.130	

WATER TEMPERATURE DEG C

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
11 4 74	20.700	21.500	21.200	21.000
11 7 74	19.800	13.500	13.500	13.500
11 10 74	19.000	14.000	14.000	13.700
11 20 74	18.800	15.900	15.300	15.200
11 25 74	18.100	13.100	13.200	13.100
11 30 74	17.000	8.500	9.000	9.000
12 2 74	17.000	5.500	5.000	4.000
12 7 74	16.000	9.500	8.500	7.500
12 11 74	15.000	7.500	7.000	7.000
12 14 74	15.400	9.000	8.000	8.000
12 15 74	15.000	10.000	9.200	8.500
12 18 74	15.200	7.300	6.500	6.200
12 21 74	15.300	9.200	9.600	8.500
12 22 74	15.000	8.400	7.800	7.500
12 26 74	13.000	10.000	10.500	10.500
12 30 74	14.000	13.000	12.000	12.000
1 2 75	14.000	11.000	10.700	11.000
1 3 75	10.000	8.000	9.000	11.000
1 4 75	14.800	9.800	9.500	9.500
1 5 75	14.000	8.000	8.000	8.200
1 6 75	14.500	8.500	8.000	8.000
1 7 75	14.500	9.000	9.000	9.000
1 8 75	13.500	10.500	10.500	10.200
1 9 75	14.500	11.000	10.500	10.500
1 10 75	14.500	14.500	14.000	14.000
1 11 75	14.000	12.000	11.000	11.000
1 12 75	7.500	2.000	3.000	5.000
1 13 75	13.000	5.500	6.500	6.000
1 14 75	14.000	5.400	5.100	5.500
1 15 75	14.000	5.500	5.000	5.000
1 16 75	14.000	6.500	6.200	6.500
1 18 75	14.000	8.500	8.000	8.000
1 19 75	13.500	11.000	10.500	10.250
1 20 75	13.000	7.500	7.000	7.300
1 21 75	13.500	7.000	7.000	6.500
1 22 75	13.000	7.000	7.000	7.500
1 23 75	13.000	7.000	7.000	7.000
1 24 75	21.000	15.000	15.000	15.000
1 25 75	14.000	9.500	9.000	9.500
1 26 75	13.200	9.500	8.700	8.700
1 27 75	13.500	11.000	10.000	10.000
1 28 75	13.750	13.000	12.500	13.000
1 29 75	14.000	15.000	15.000	15.000
1 30 75	13.500	15.000	15.000	15.000
1 31 75	14.000	16.200	16.300	16.500
2 1 75	11.500	17.500	17.500	17.500
2 6 75	13.000	11.000	11.000	10.500
2 7 75	14.000	8.300	8.000	7.500
2 10 75	13.000	7.000	7.000	7.500
2 28 75	13.500	12.000	12.000	11.500
3 1 75	13.500	11.500	11.100	11.000
3 3 75	13.000	10.500	10.000	10.500
3 5 75	13.500	9.000	9.000	9.000
3 6 75	14.000	11.300	11.200	11.000
3 7 75	10.000	9.500	9.500	10.000
3 9 75	13.500	11.000	11.000	11.000
3 11 75	14.000	11.000	11.000	11.500
3 13 75	12.500	13.000	13.000	13.000
3 18 75	13.000	12.000	12.000	11.500

WATER TEMPERATURE DEG C

DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
3 20 75	14.000	13.200	13.000	13.000
3 21 75	12.100	13.100	14.400	13.800
3 22 75	14.000	18.500	18.000	17.500
4 1 75	14.500	14.000	14.000	14.000
4 2 75	14.500	17.000	17.000	16.500
4 3 75	14.500	13.500	13.500	13.000
4 4 75	14.000	13.500	14.000	13.500
4 5 75	15.500	14.000	14.000	14.500
4 6 75	14.500	14.000	14.000	14.000
4 7 75	14.000	13.500	14.000	13.500
4 8 75	14.500	14.000	14.500	14.000
4 9 75	15.000	15.000	15.000	15.000
4 10 75	14.000	16.000	16.000	15.500
4 11 75	14.500	16.500	16.500	16.500
4 12 75	999.000	999.000	999.000	999.000
4 13 75	15.000	16.000	16.000	16.500
4 14 75	14.000	14.000	14.500	14.500
4 15 75	14.500	14.000	14.500	14.000
4 16 75	13.500	14.500	15.000	15.000
4 17 75	14.500	16.500	17.000	16.500
4 18 75	15.000	18.000	18.500	18.500
4 19 75	15.500	19.000	19.000	18.500
4 20 75	15.000	19.500	19.500	19.000
4 21 75	13.500	17.500	17.000	17.000
4 22 75	16.000	20.000	20.000	19.500
4 23 75	15.000	19.500	20.500	19.500
4 24 75	15.000	20.000	20.500	20.000
4 25 75	15.500	22.000	22.000	22.000
4 26 75	15.000	23.500	24.000	23.500
4 27 75	16.000	25.500	26.000	26.500
4 28 75	16.000	23.000	24.000	23.000
4 29 75	16.000	23.500	23.500	23.000
4 30 75	16.500	21.000	21.000	20.500
5 5 75	17.000	21.000	21.500	21.000
5 6 75	17.500	22.000	22.000	22.000
5 10 75	17.000	21.000	21.000	21.000
5 16 75	17.000	22.500	23.000	23.000
5 28 75	19.500	26.500	27.000	28.000
5 30 75	19.000	24.500	25.000	25.000
5 31 75	20.000	26.000	26.000	27.000
6 1 75	19.500	25.000	25.000	25.000
6 4 75	19.000	27.000	27.000	26.300
6 5 75	20.000	27.000	27.000	27.500
6 9 75	20.000	26.000	26.000	26.500
6 13 75	20.500	25.200	25.700	28.000
6 18 75	20.200	28.000	28.000	27.500
6 20 75	20.200	26.500	27.200	27.200
6 23 75	21.000	27.200	28.000	26.000
6 25 75	21.900	29.000	28.500	28.000
6 28 75	22.000	31.000	29.400	30.000
6 29 75	20.000	27.000	27.000	26.500
6 30 75	21.500	30.000	32.000	30.000
7 1 75	21.500	29.000	29.000	28.000
7 2 75	22.000	29.000	29.000	28.000
7 3 75	22.000	28.000	28.000	27.000
7 4 75	21.000	27.500	28.000	27.000
7 5 75	22.000	29.000	29.000	27.500
7 6 75	21.000	28.000	28.500	27.500
7 7 75	22.000	30.000	29.000	27.000

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              WATER TEMPERATURE        DEG C

   DATE               INFLUENT        POND NO 1        POND NO 2        POND NO 3
  7  8 75              21.500          29.000           28.500           27.500
  7  9 75              21.500          29.000           28.500           27.500
  7 10 75              21.500          27.500           27.000           27.000
  7 11 75              22.000          29.000           29.000           28.000
  7 12 75              21.500          27.000           27.000           25.500
  7 13 75              22.000          26.500           26.500           25.000
  7 14 75              22.500          27.000           26.500           27.000
  7 15 75              21.000          27.500           27.000           27.500
  7 16 75              21.000          27.500           27.500           27.000
  7 17 75              21.500          28.000           27.000           26.500
  7 18 75              22.500          30.000           29.500           28.000
  7 19 75              22.000          28.000           28.000           26.000
  7 20 75              22.000          29.000           28.000           27.000
  7 21 75              22.000          29.000           29.000           28.000
  7 22 75              23.500          29.500           29.000           29.500
  7 23 75             999.000         999.000          999.000          999.000
  7 24 75              23.000          31.500           30.000           29.000
  7 25 75              23.000          30.000           29.000           29.000
  7 26 75              23.000          28.200           28.000           26.000
  7 27 75              22.500          29.000           25.000           26.000
  8 20 75              24.000          28.500           28.500           28.000
  8 21 75             999.000         999.000          999.000          999.000
  8 22 75             999.000         999.000          999.000          999.000
  8 23 75              23.000          28.500           28.500           27.000
  8 24 75              23.000          28.500           28.500           27.500
  8 25 75              23.200          29.400           29.400           28.000
  8 26 75             999.000                                           999.000
**
  8 27 75              23.000          29.000           29.000           28.500
  8 28 75              23.500          31.000           30.500           29.500
  8 29 75              23.500          29.000           29.500           30.500
  9 28 75              22.500          19.000           19.000           20.000
  9 29 75              22.500          22.000           20.000           21.500
  9 30 75              22.000          20.000           20.000           21.500
 10  1 75              22.000          21.500           21.500           21.000
 10  2 75              22.000          20.000           20.500           20.300
 10  3 75              21.500          18.000           18.500           18.500
 10  4 75              22.000          19.000           19.300           19.500
 10  5 75              21.500          19.100           19.500           19.500
 10  6 75              21.500          19.000           19.000           19.000
 10  7 75              21.500          20.000           20.000           20.000
 10  8 75              21.500          21.500           21.500           21.000
 10  9 75              21.500          23.000           23.000           22.000
 10 10 75              22.000          23.000           23.000           22.500
 10 11 75              22.000          25.000           26.000           23.500
 10 12 75              21.500          26.500           26.500           23.500
 10 13 75              21.500          24.500           24.000           23.500
 10 14 75              22.000          24.000           23.500           23.000
 10 15 75              21.500          23.500           23.500           23.000
 10 16 75              21.000          22.000           22.000           22.000
 10 17 75              20.500          19.500           19.500           19.500
 10 18 75              21.000          18.000           18.000           18.000
 10 19 75             999.000         999.000          999.000          999.000
 10 20 75              21.000          18.000           17.500           17.000
 10 21 75              21.000          18.500           18.000           18.000
 10 22 75              20.500          19.500           19.200           18.500
 10 23 75              20.500          18.500           18.000           17.900
 10 24 75              20.500          19.500           19.000           19.000
 10 25 75              20.500          19.500           19.000           19.000
```

DEG C

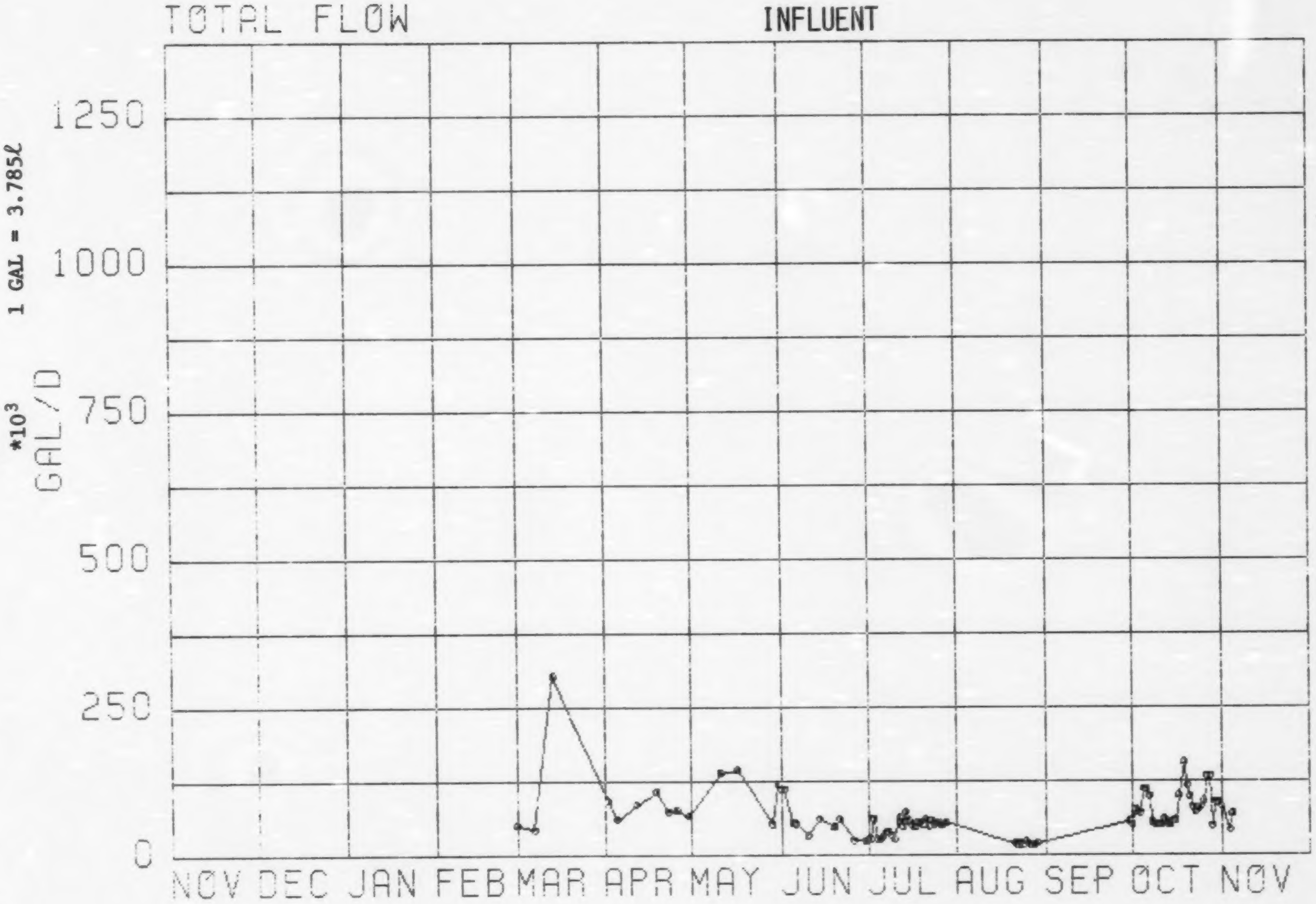
10 26 75	20.000	17.500	17.500	17.500

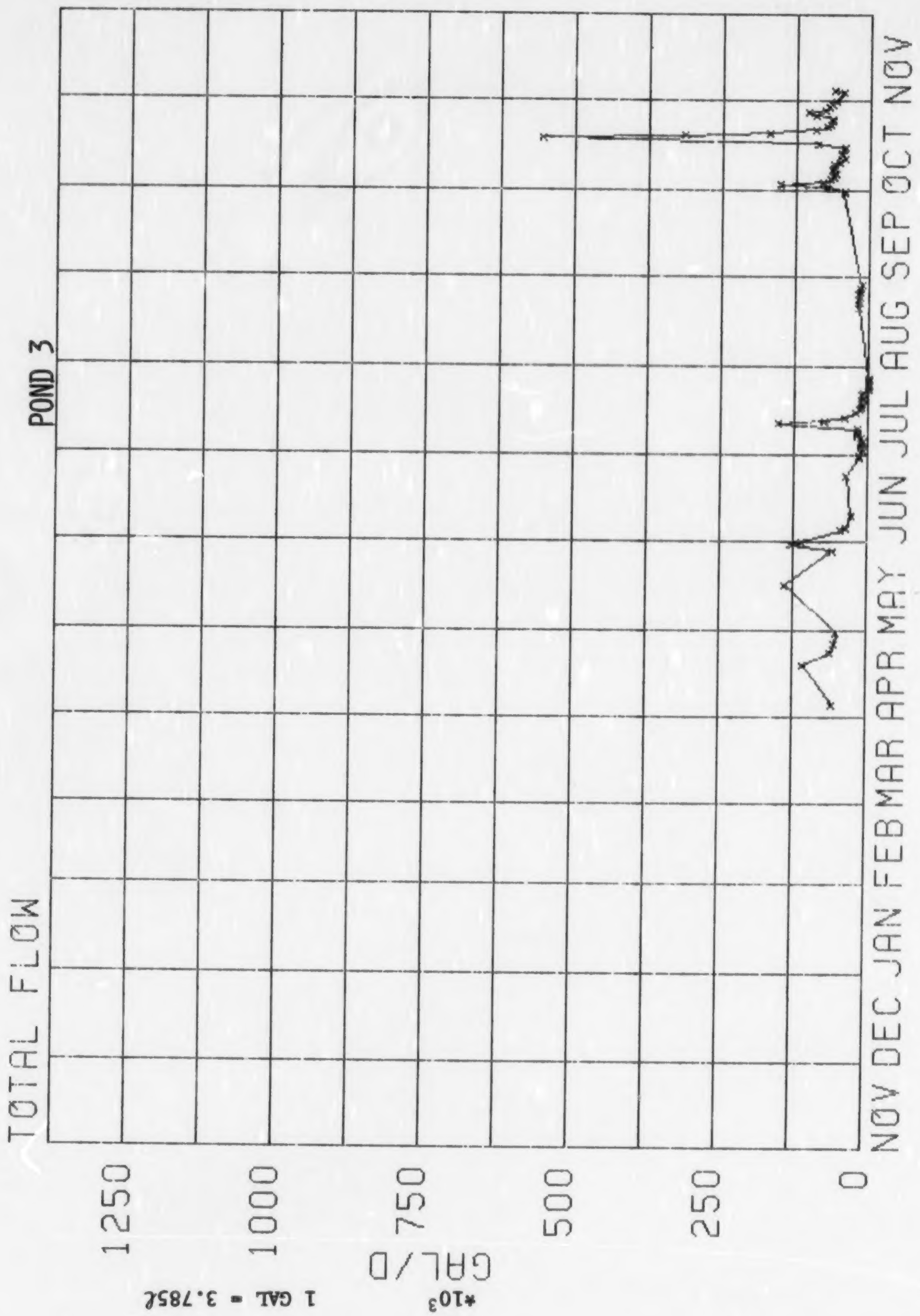
WATER TEMPERATURE DEG C

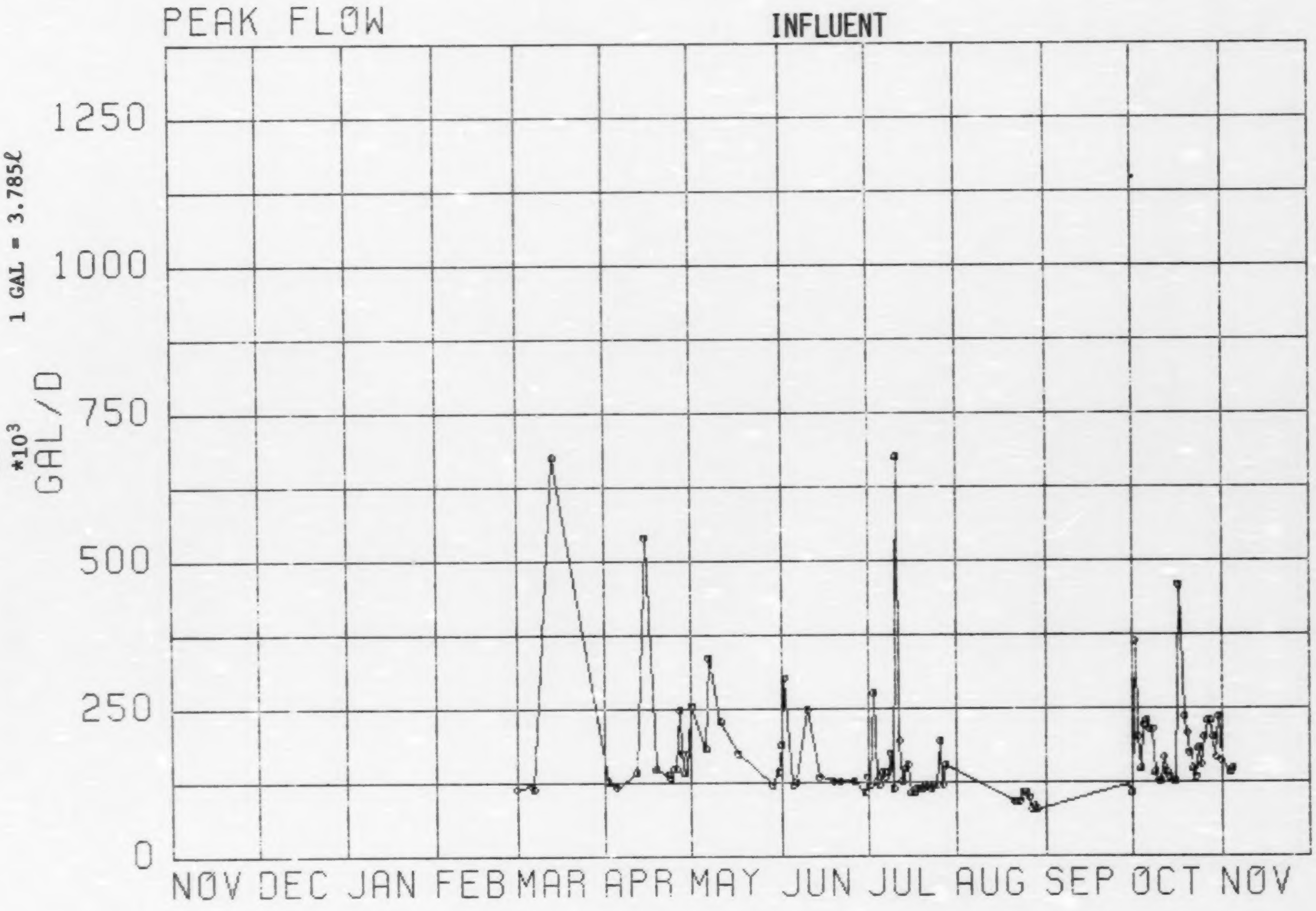
DATE	INFLUENT	POND NO 1	POND NO 2	POND NO 3
10 27 75	20.000	17.800	17.800	17.800
10 28 75	20.300	19.500	18.500	18.500
10 29 75	20.500	22.000	22.000	21.000
10 30 75	20.000	18.500	19.000	19.000
10 31 75	20.500	19.000	18.500	18.500
11 1 75	20.000	17.000	17.000	17.000
11 2 75	20.500	18.000	17.500	17.500
11 3 75	20.000	19.000	19.000	19.000
11 4 75	20.000	19.000	19.000	19.000

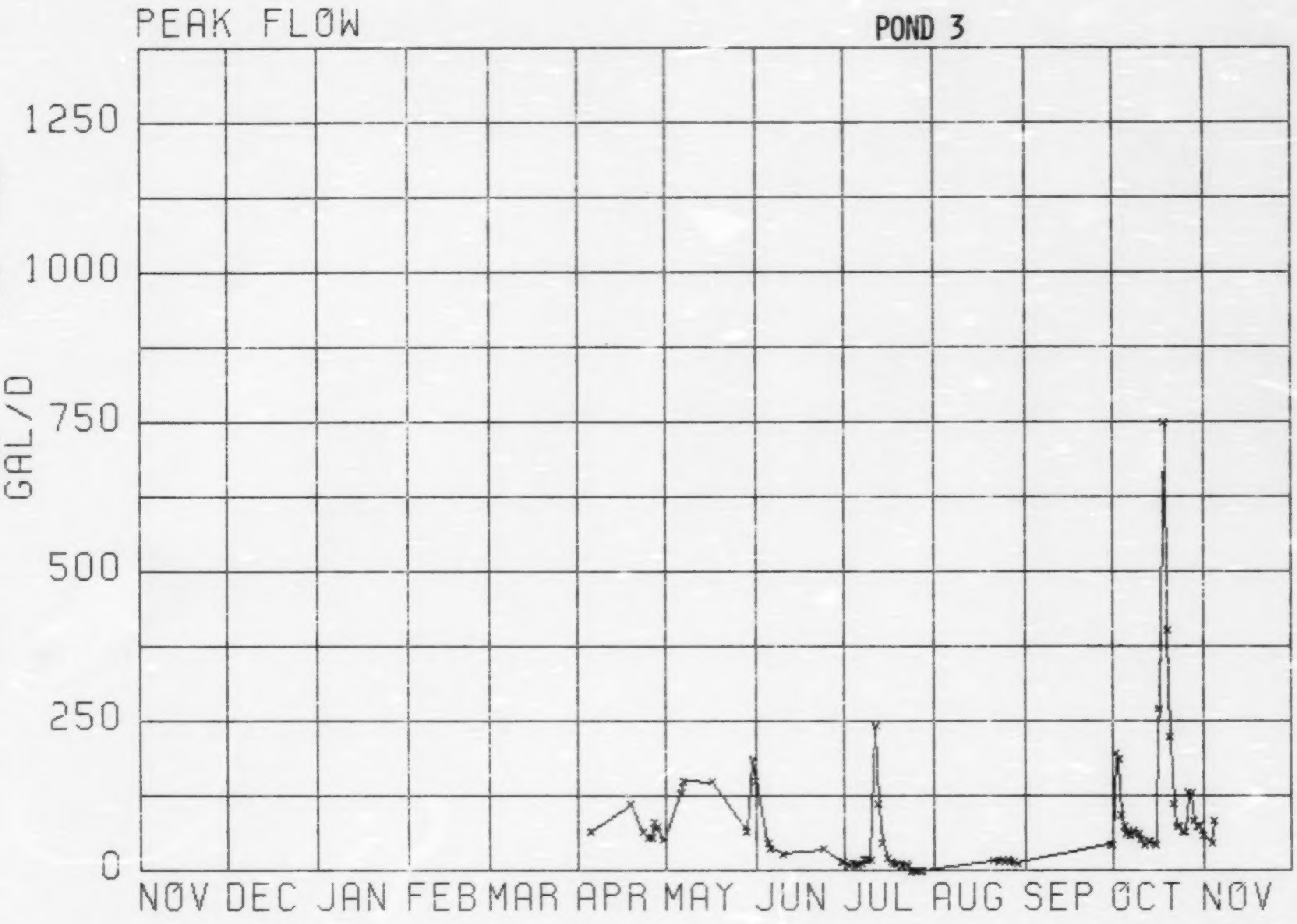
APPENDIX C

PLOTTED DATA

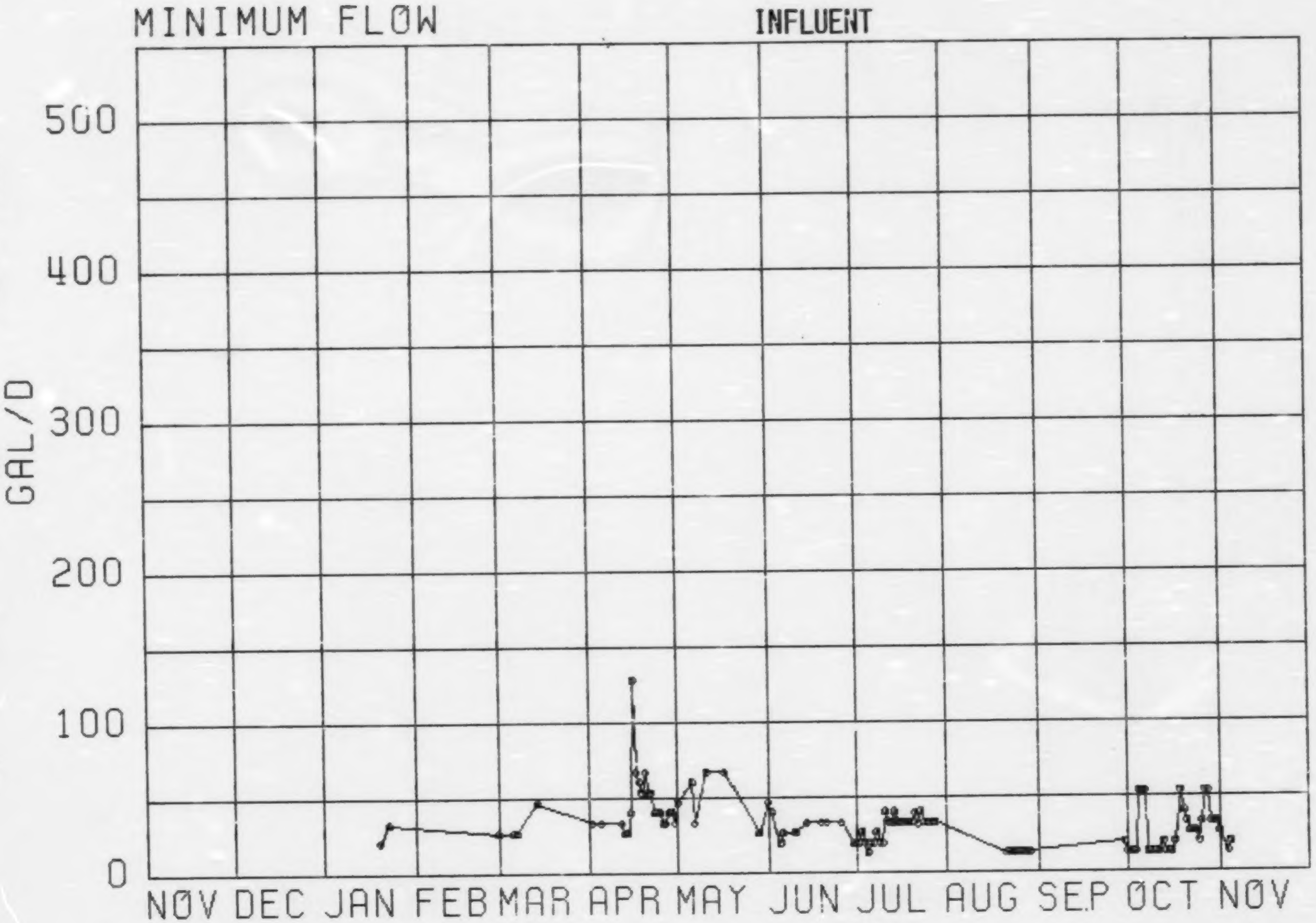

TOTAL FLOW
INFLUENT
1 GAL = 3.785ℓ
*10³
GAL/D
1250
1000
750
500
250
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV


TOTAL FLOW
POND 3
GAL/D
*10^3
1250
1000
750
500
250
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV
1 GAL = 3.785ℓ

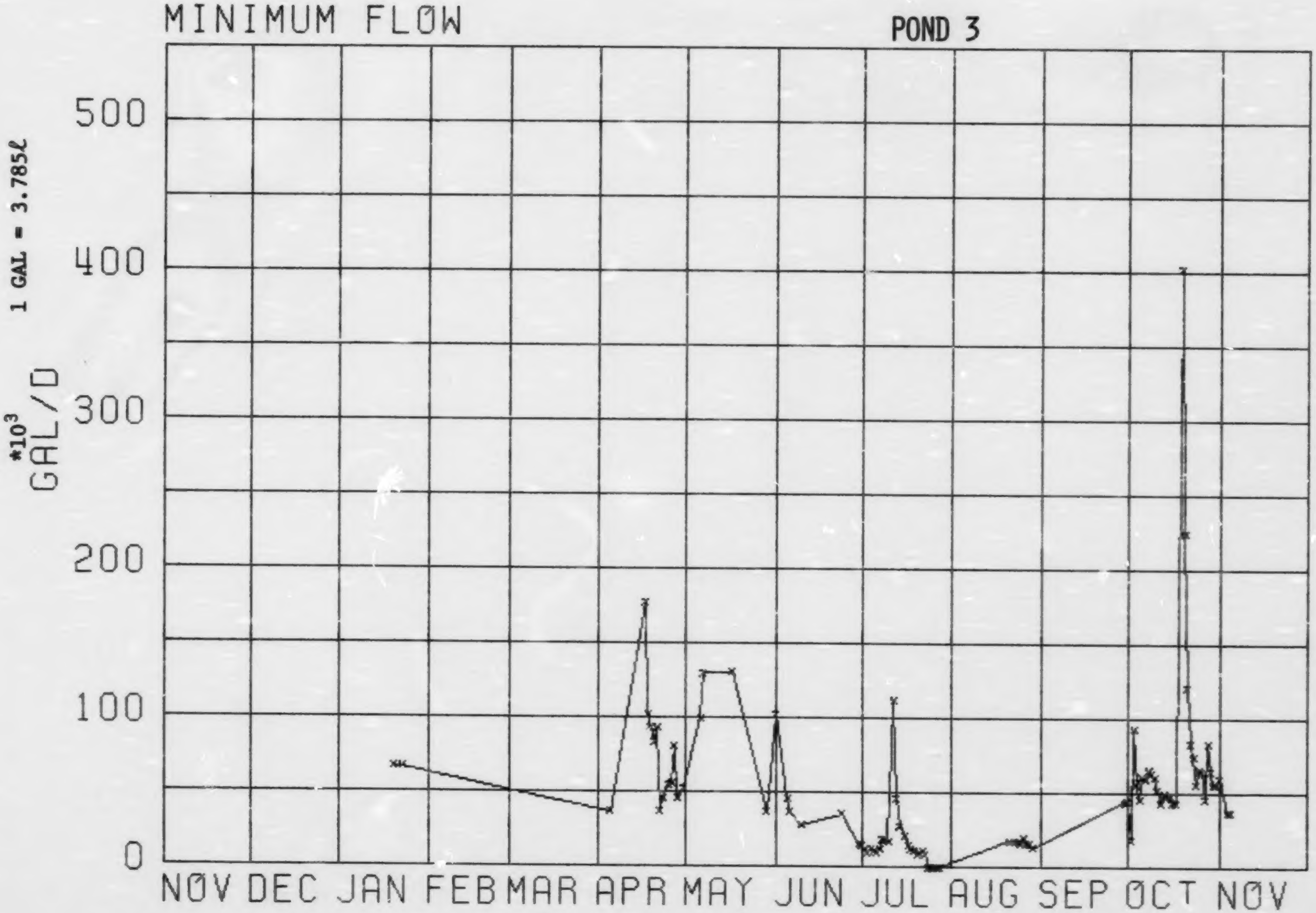

PEAK FLOW
INFLUENT
GAL/D
*10^3
1 GAL = 3.785ℓ
1250
1000
750
500
250
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV


PEAK FLOW
POND 3
GAL/D
$*10^3$
1250
1000
750
500
250
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

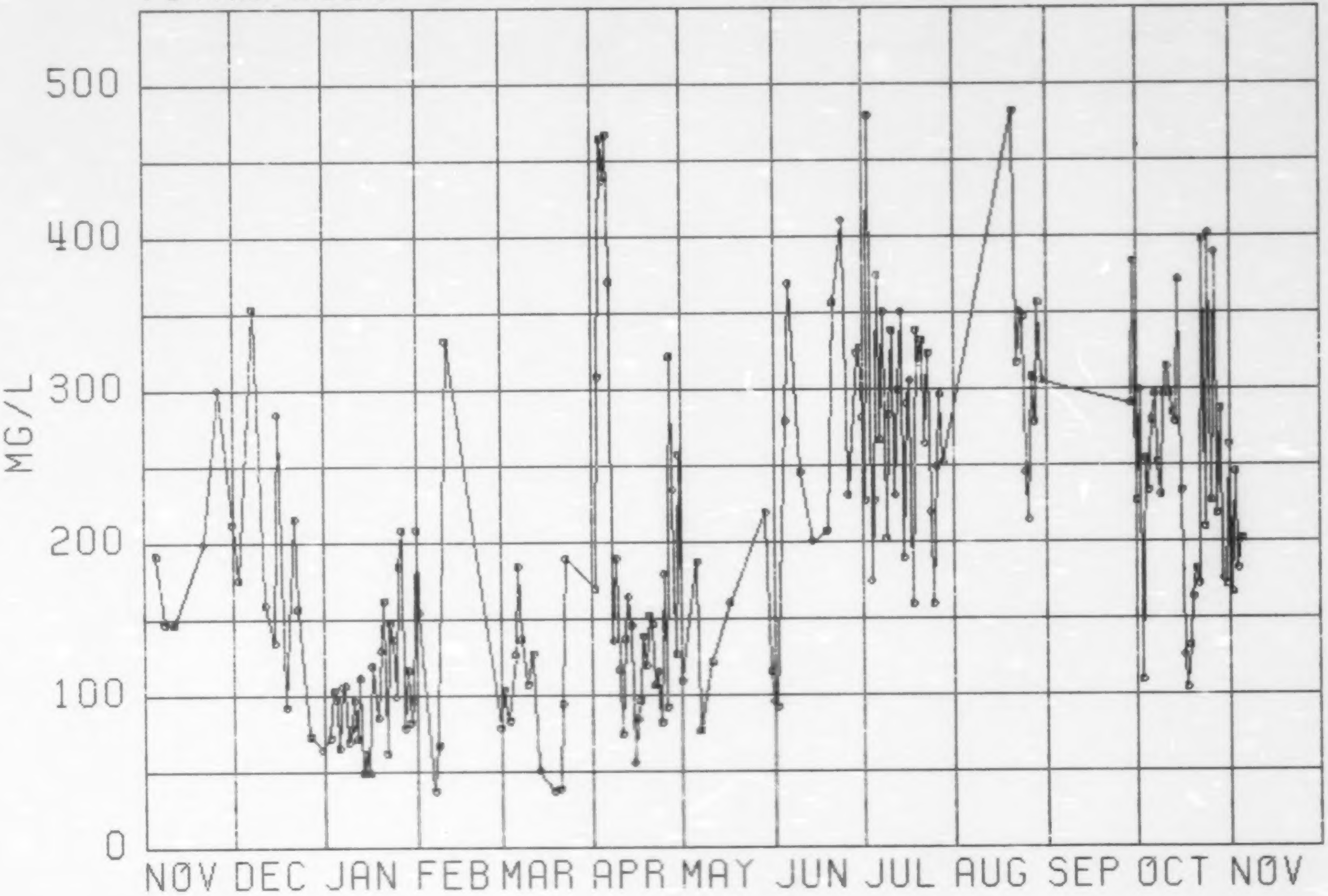
1 GAL = 3.785ℓ


MINIMUM FLOW
INFLUENT
*10³
GAL/D
500
400
300
200
100
0
NØV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
ØCT
NØV

1 GAL = 3.785ℓ

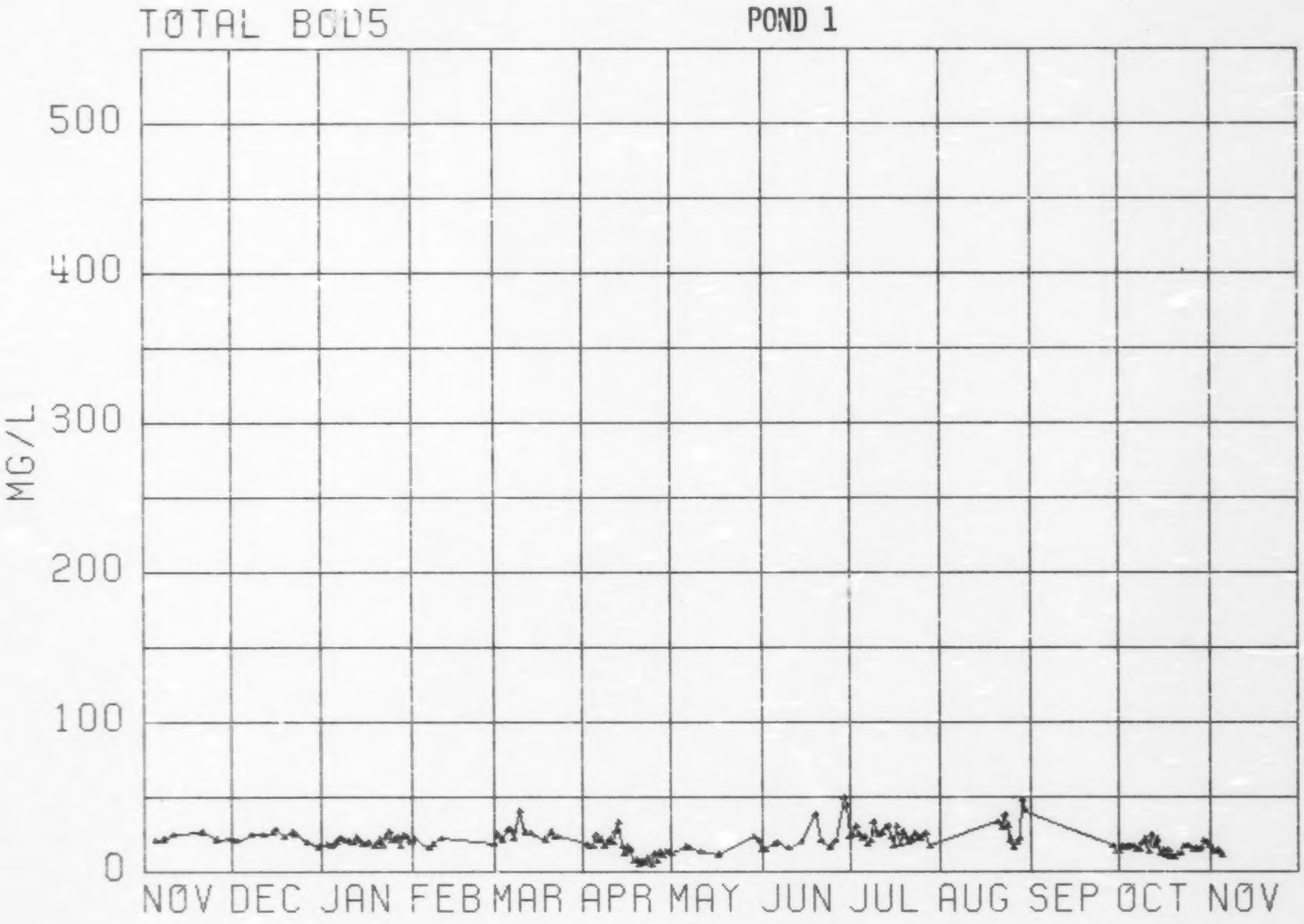

MINIMUM FLOW
POND 3
GAL/D
*10^3
500
400
300
200
100
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

1 GAL = 3.785ℓ



TOTAL BOD5

INFLUENT


TOTAL BOD5
POND 1
MG/L
500
400
300
200
100
0
NOV
DEC
JAN
FEB
MAR
APR
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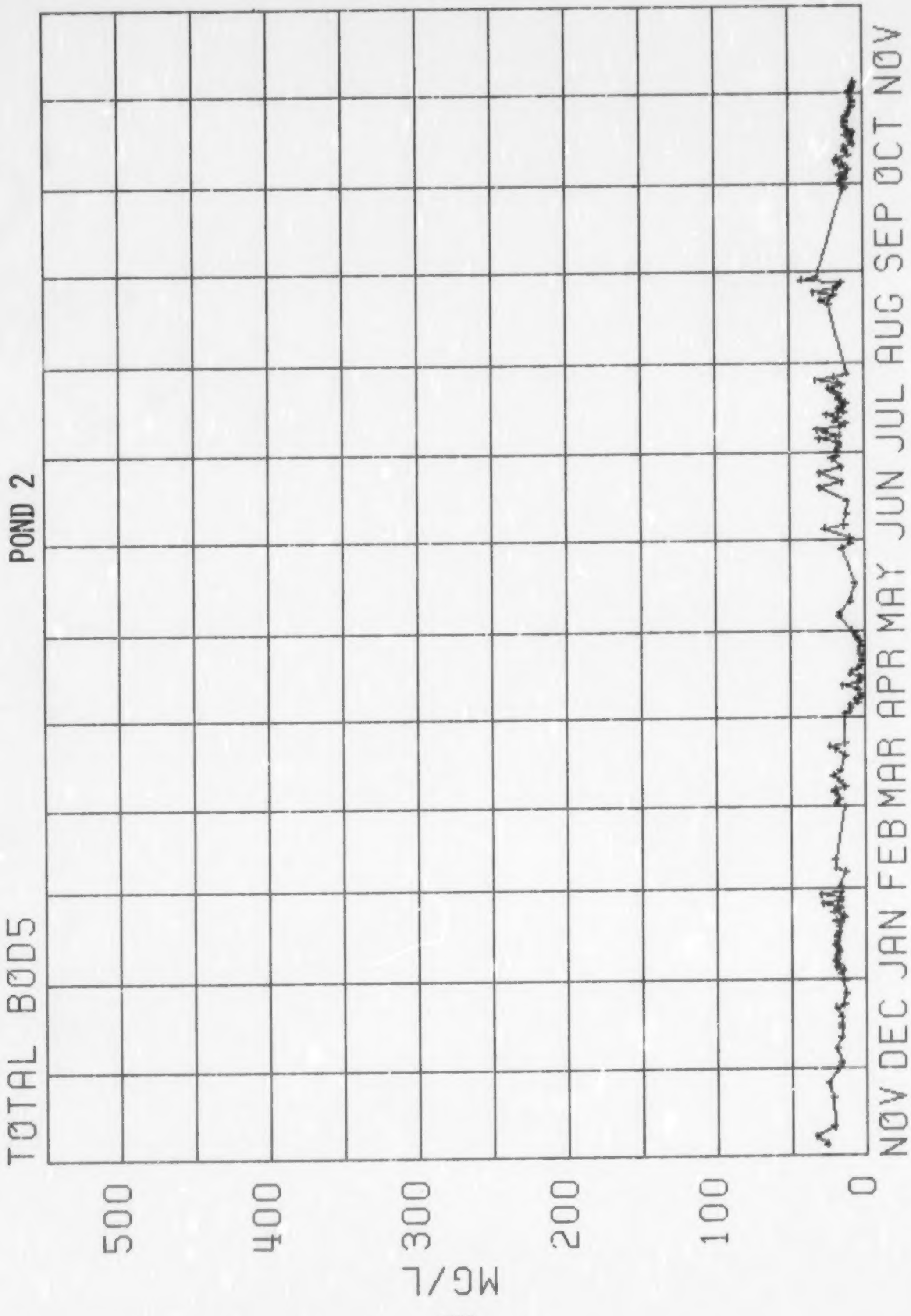
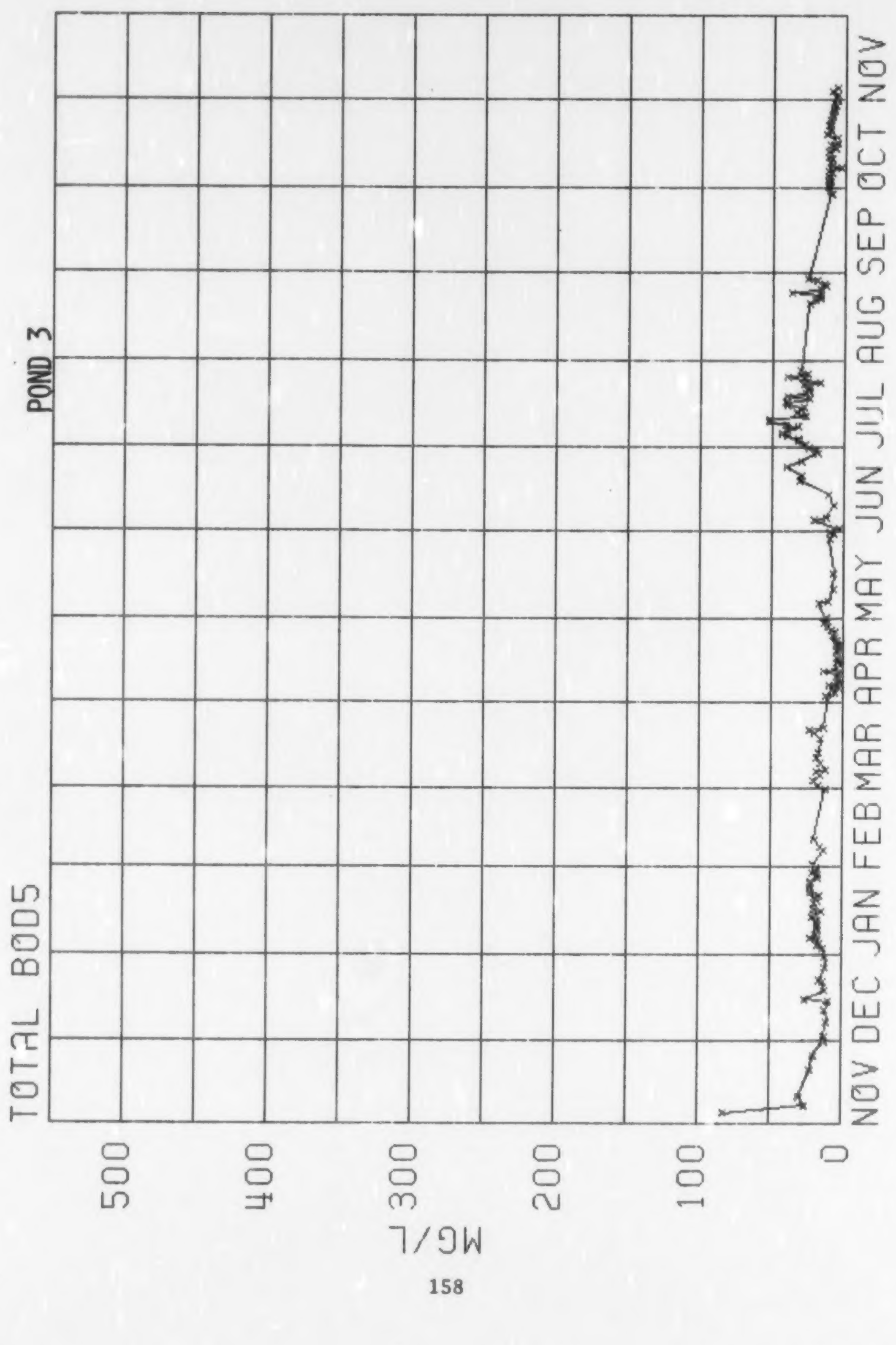
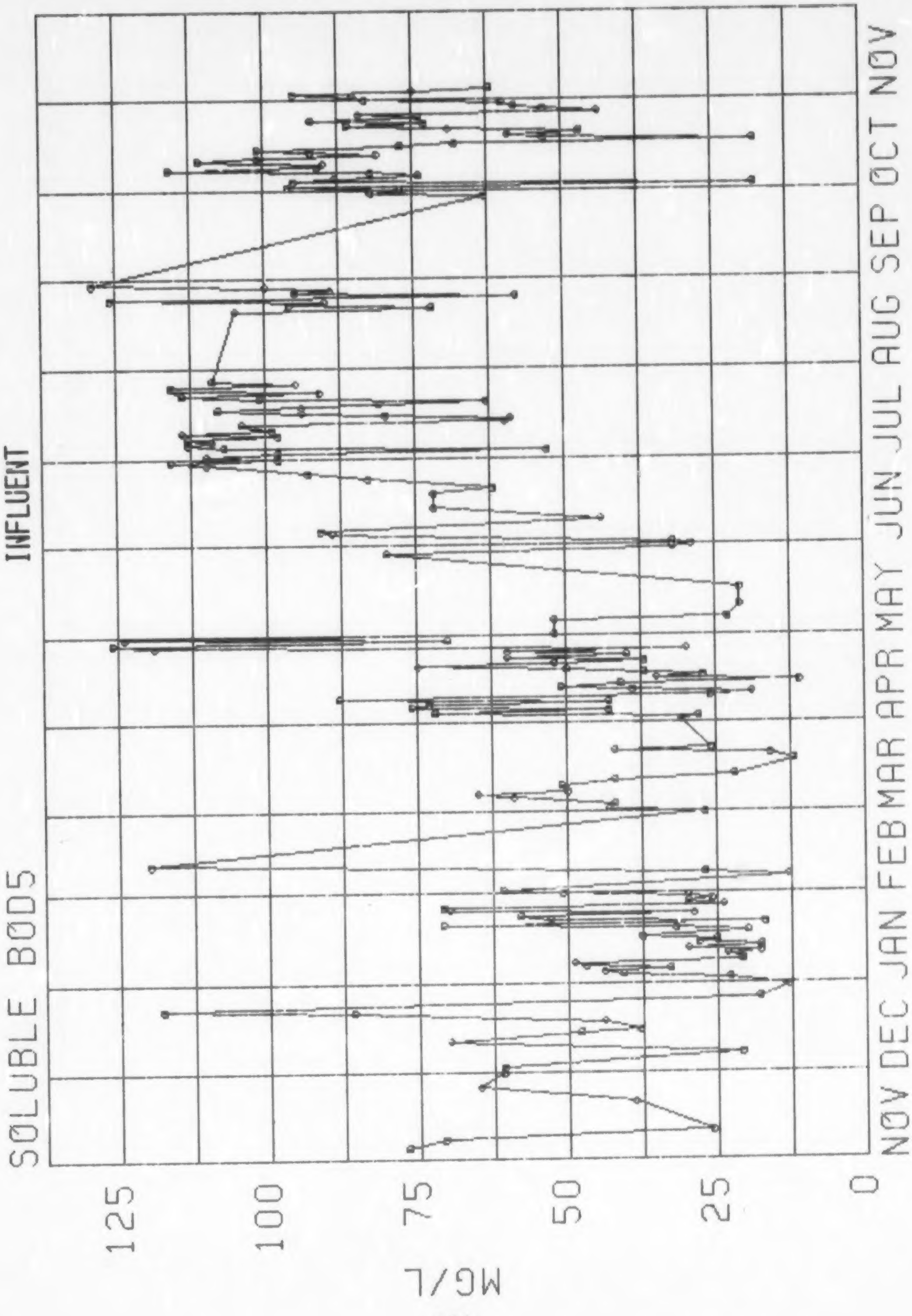
JUN
JUL
AUG
SEP
OCT
NOV

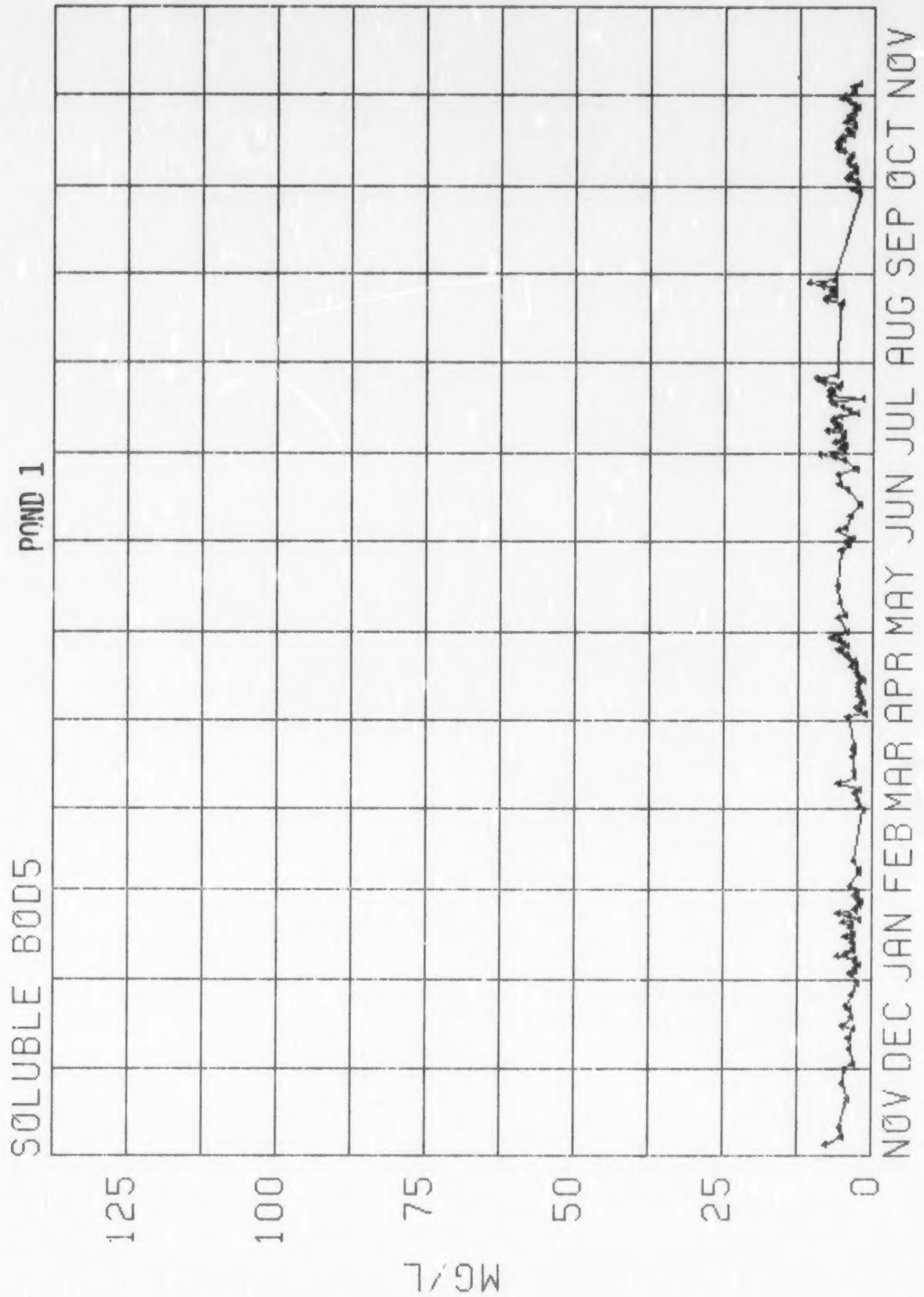


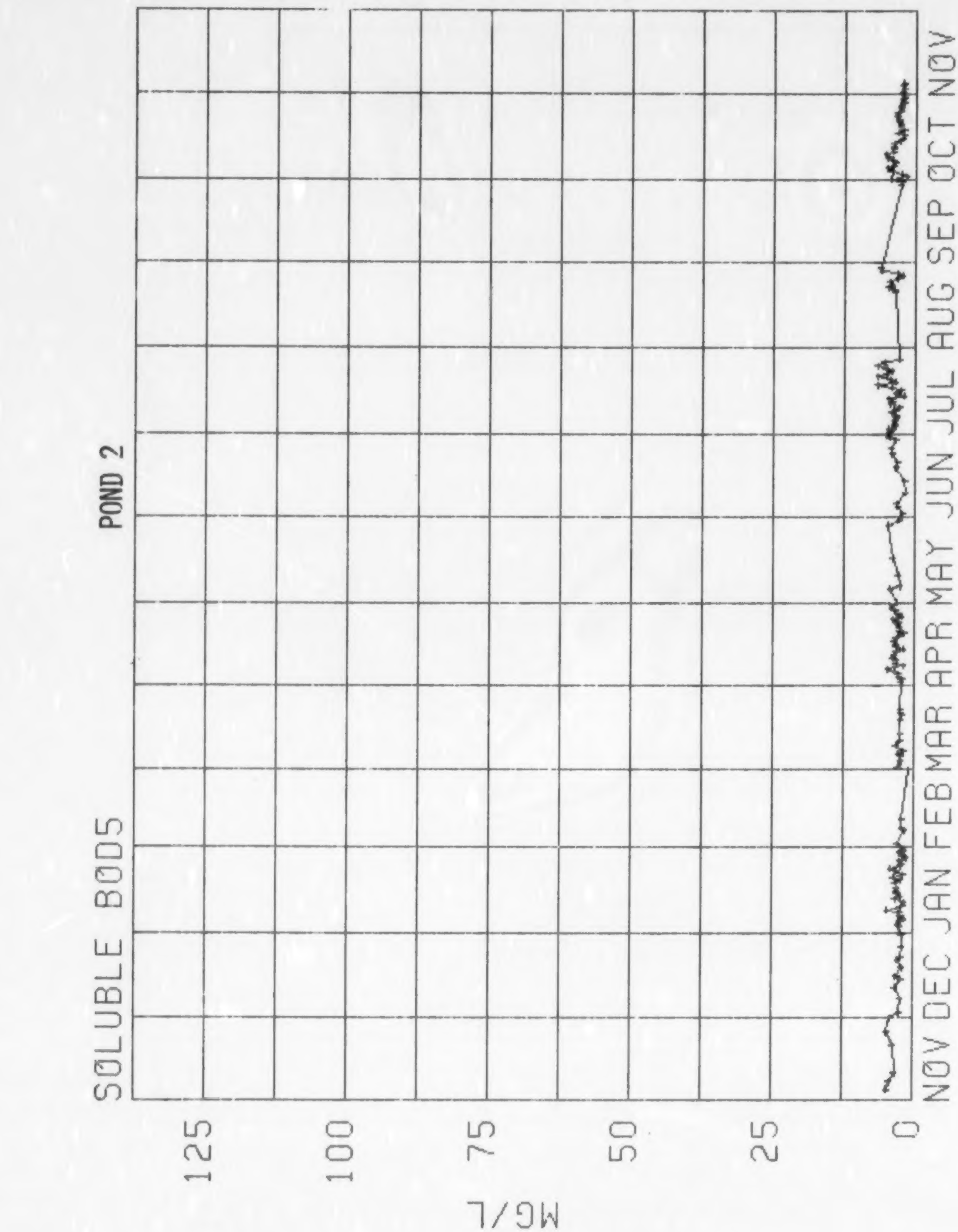
TOTAL BOD5

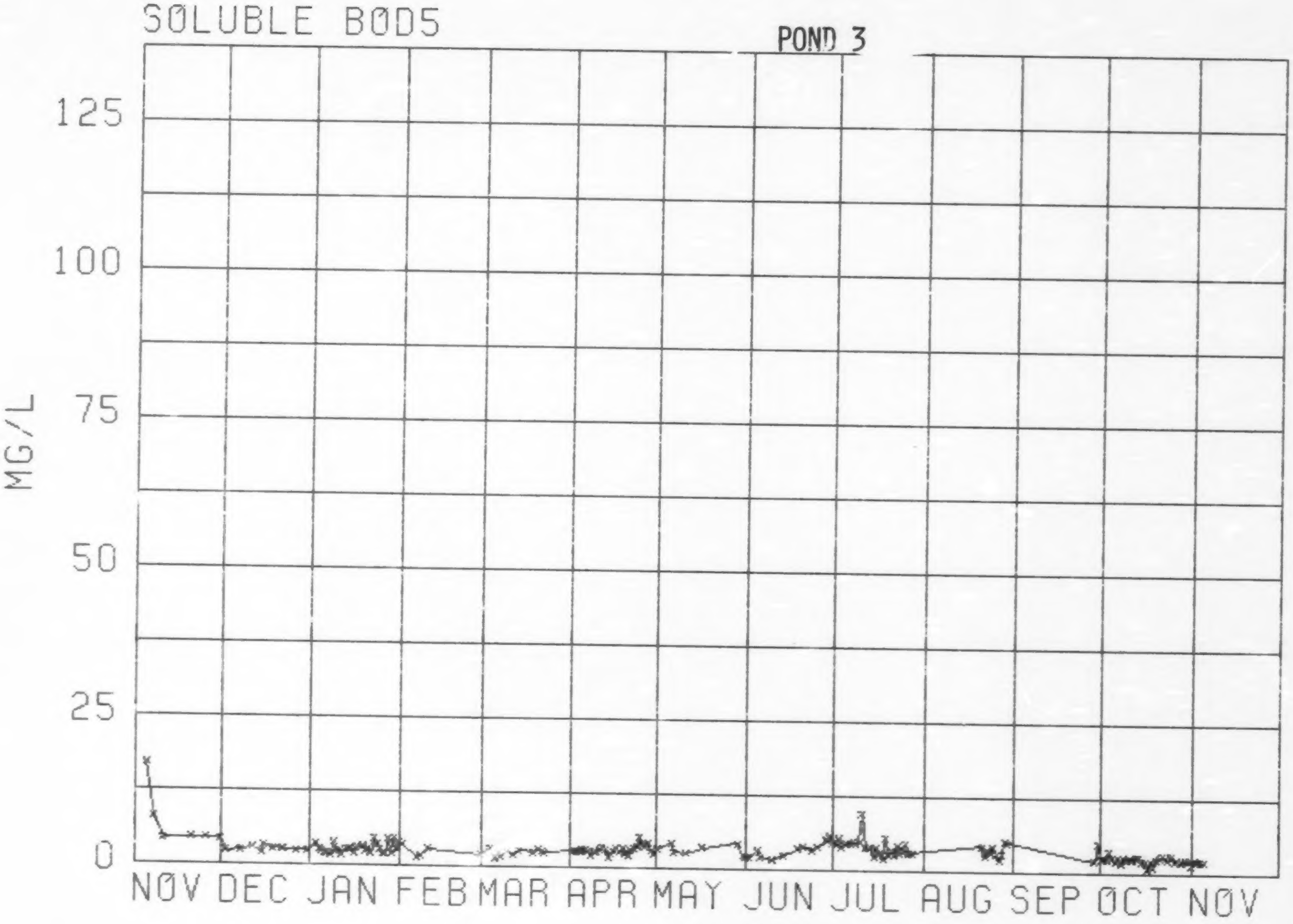
POND 2

TOTAL BOD5
POND 3
MG/L
500
400
300
200
100
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV


SOLUBLE BOD5
INFLUENT
MG/L
125
100
75
50
25
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV


SOLUBLE BOD5
POND 1
MG/L
125
100
75
50
25
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV


SOLUBLE BOD5
POND 2
MG/L
125
100
75
50
25
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV


SOLUBLE BOD5
POND 3
MG/L
125
100
75
50
25
0
NOV
DEC
JAN
FEB
MAR
APR
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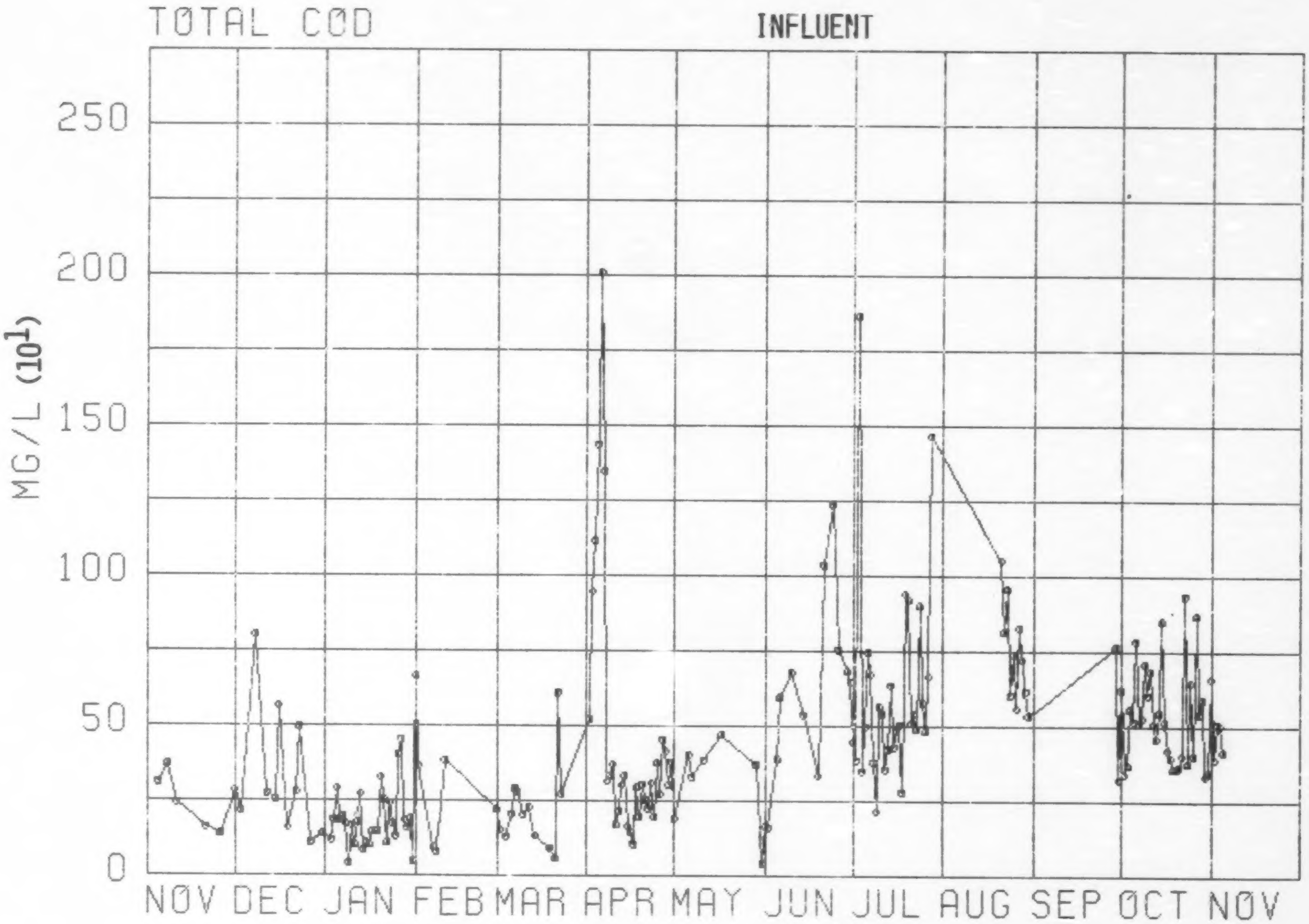
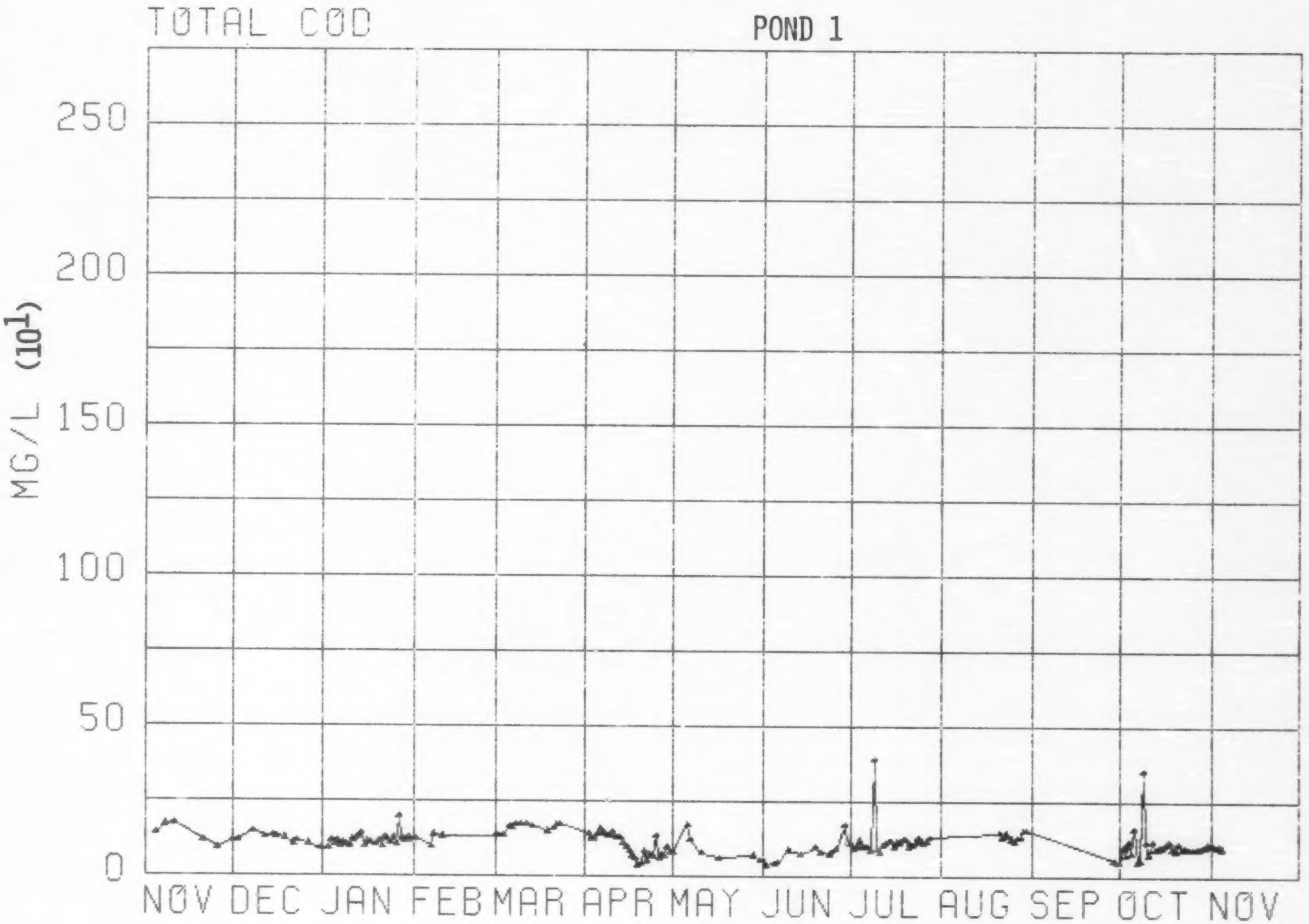
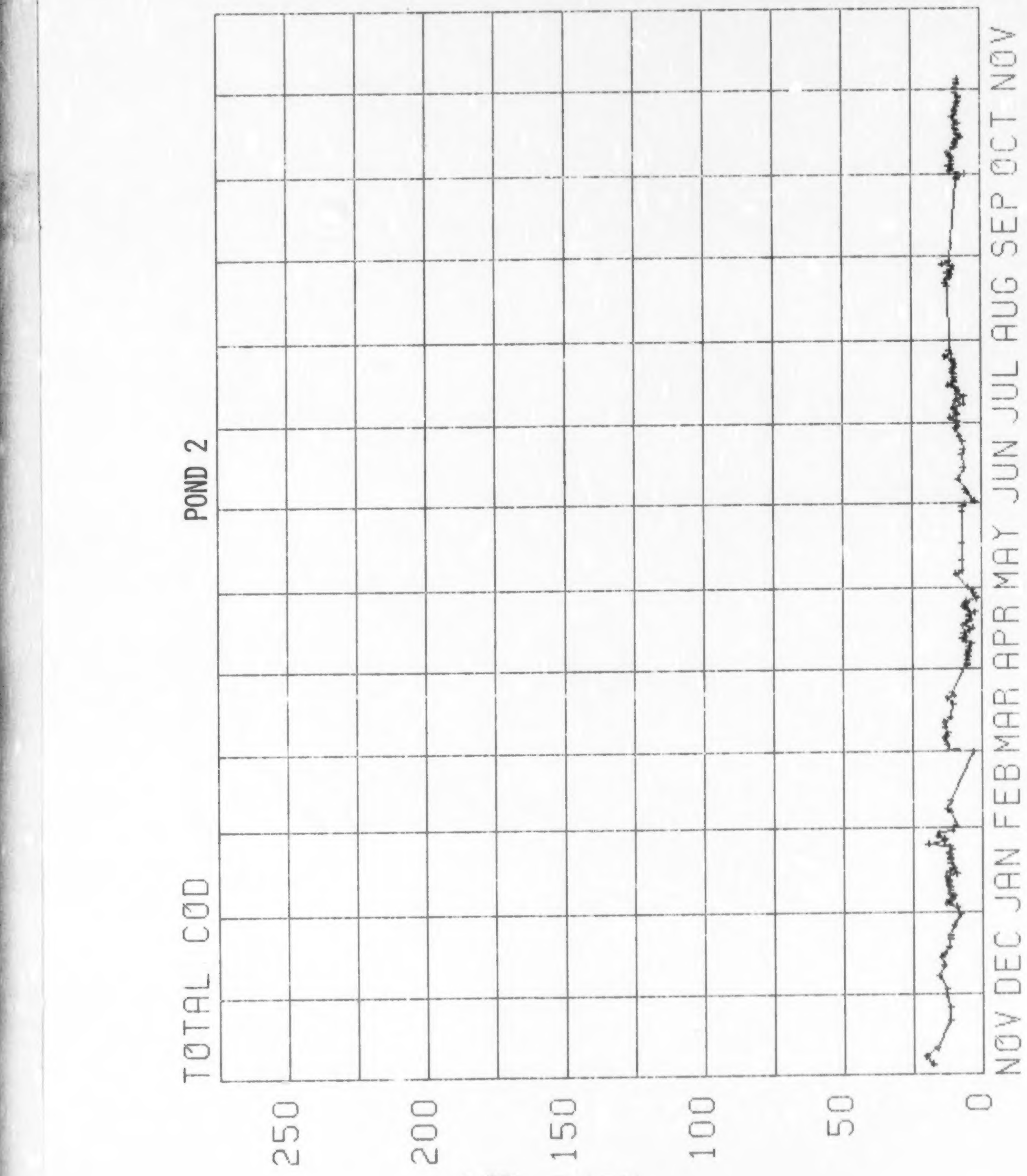
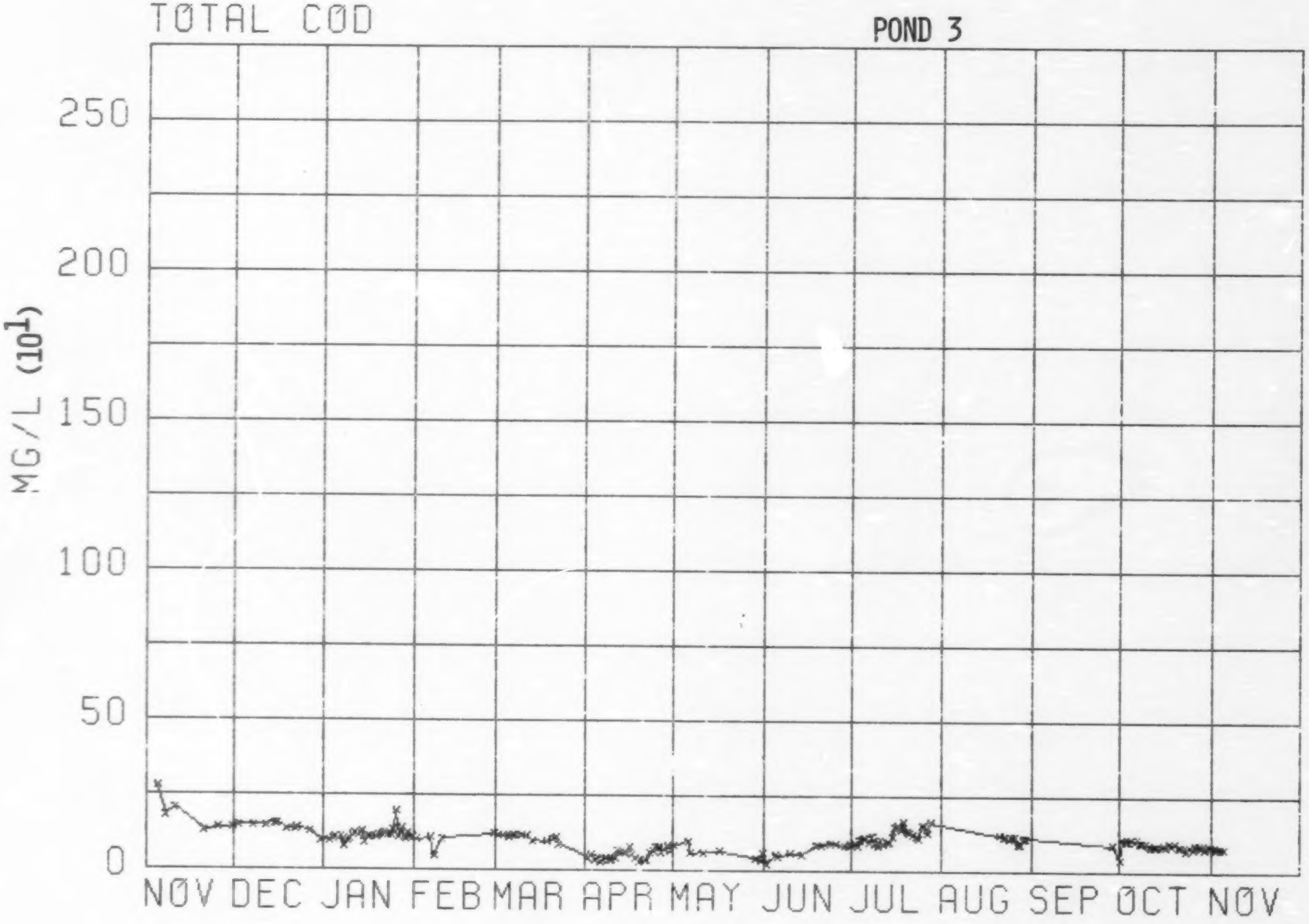
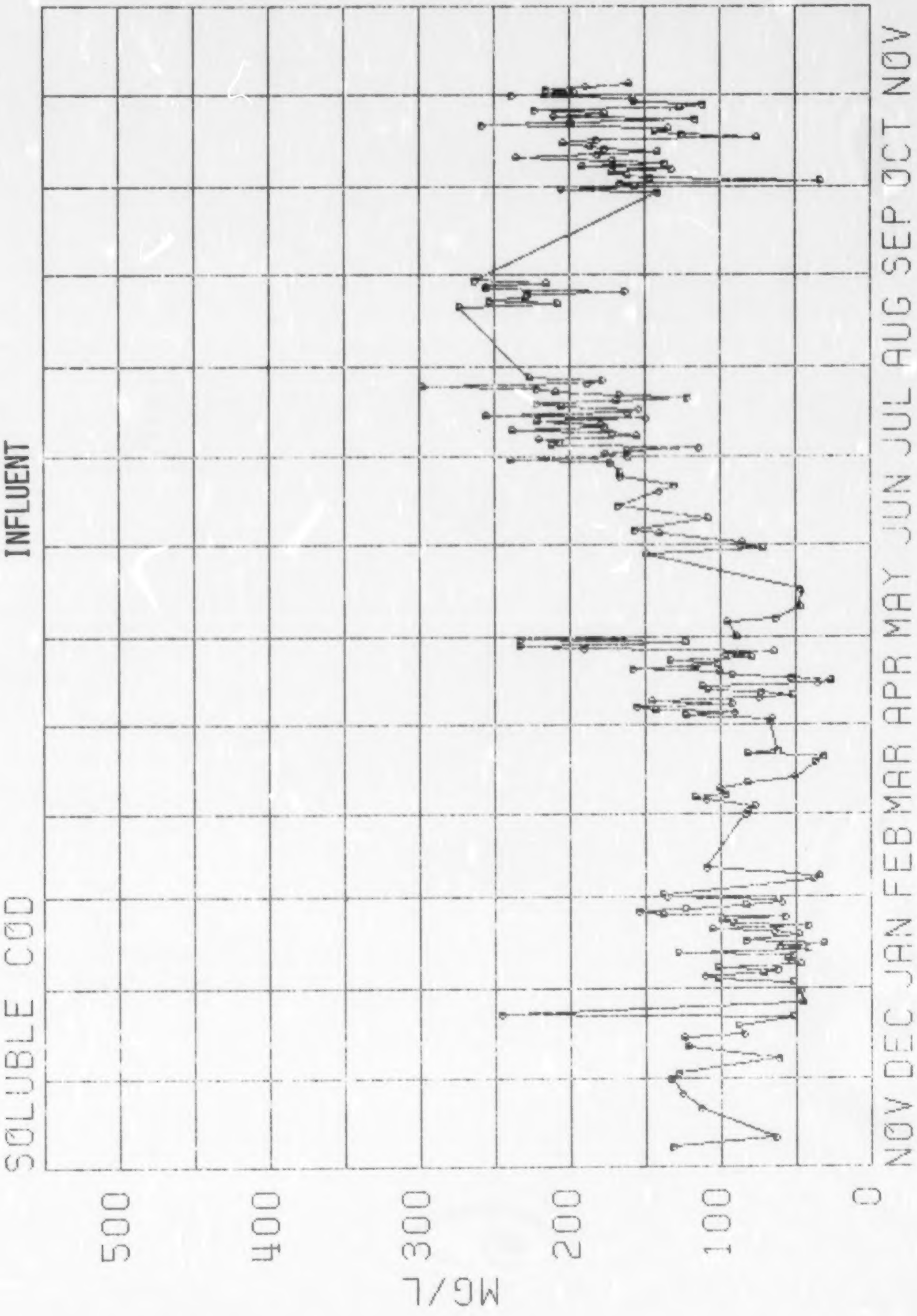
JUL
AUG
SEP
OCT
NOV

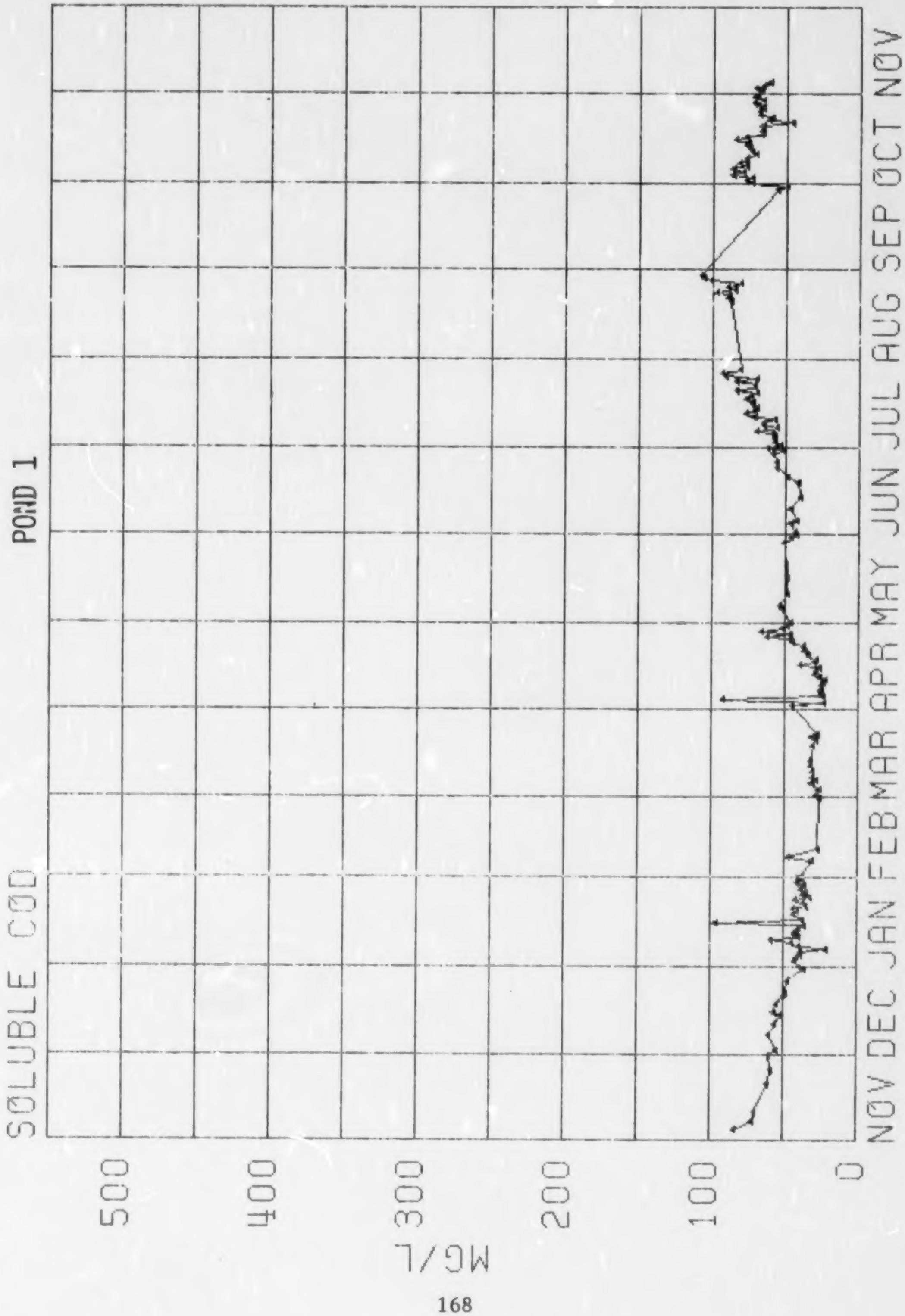

TOTAL COD
INFLUENT
MG/L (10^1)
0
50
100
150
200
250
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

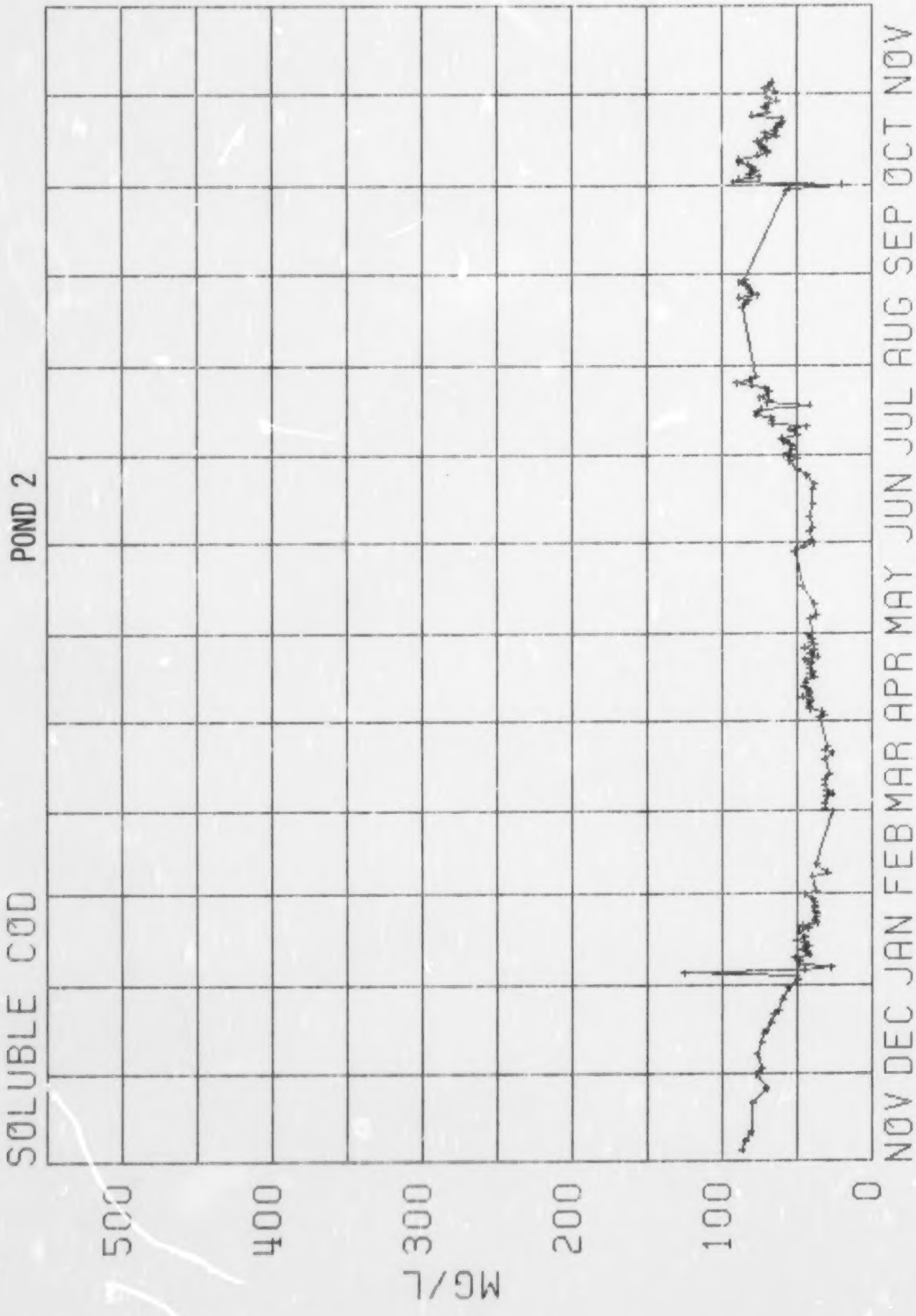

TOTAL COD
POND 1
MG/L (10^1)
250
200
150
100
50
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

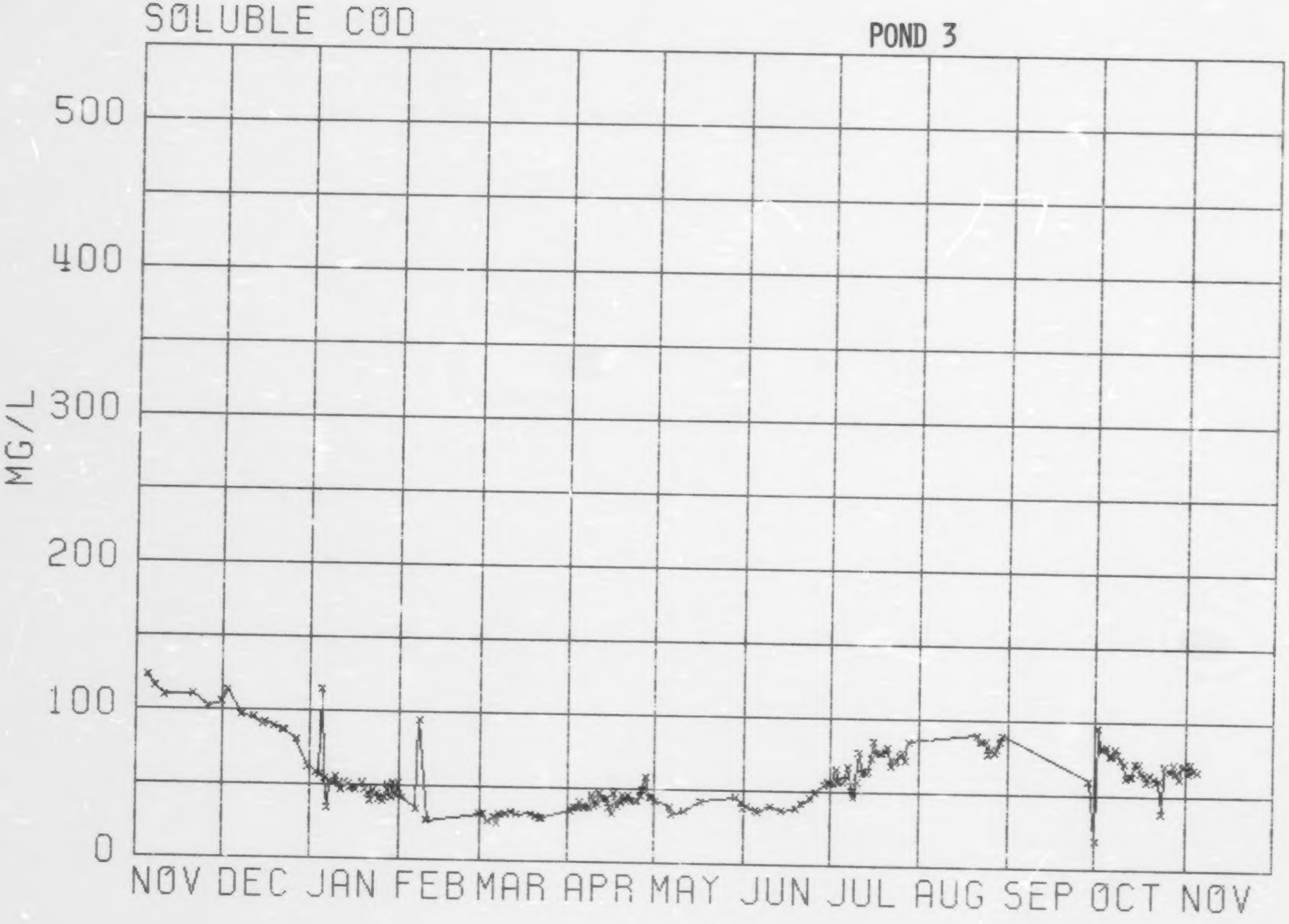

TOTAL COD
POND 2
MG/L (10^1)
250
200
150
100
50
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

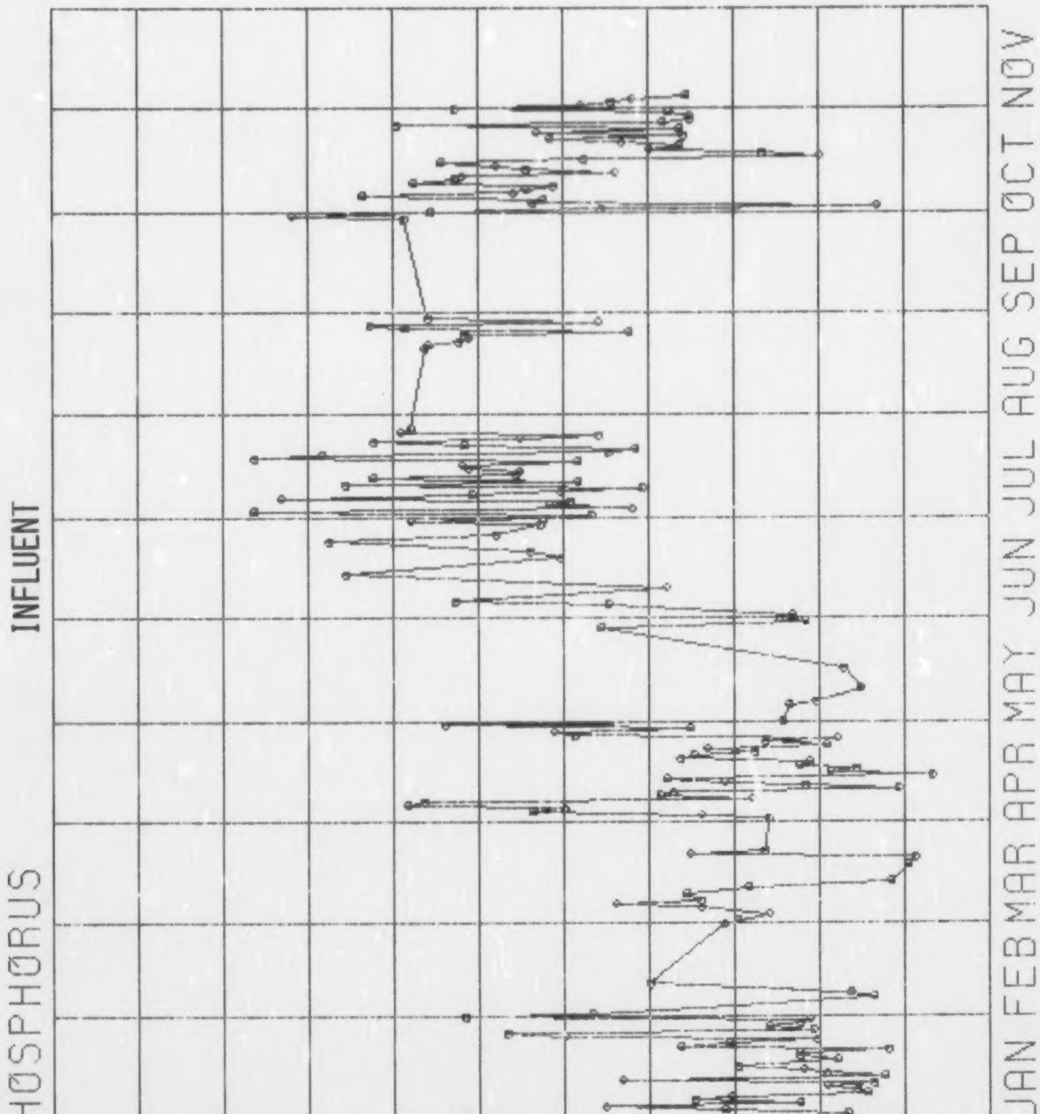

TØTAL CØD
POND 3
MG/L (10^1)
250
200
150
100
50
0
NØV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
ØCT
NØV

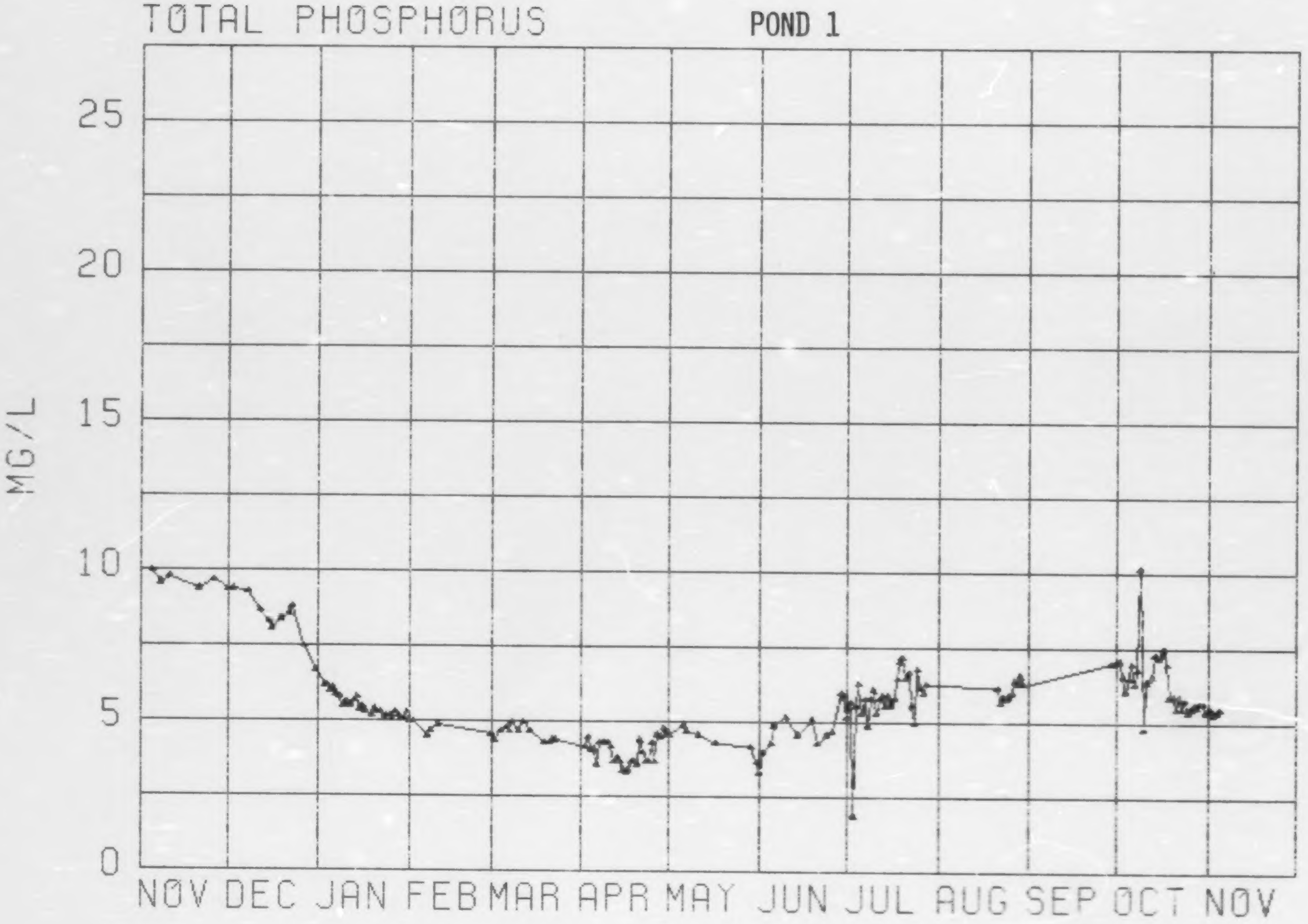

SOLUBLE COD
INFLUENT
MG/L
0
100
200
300
400
500
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

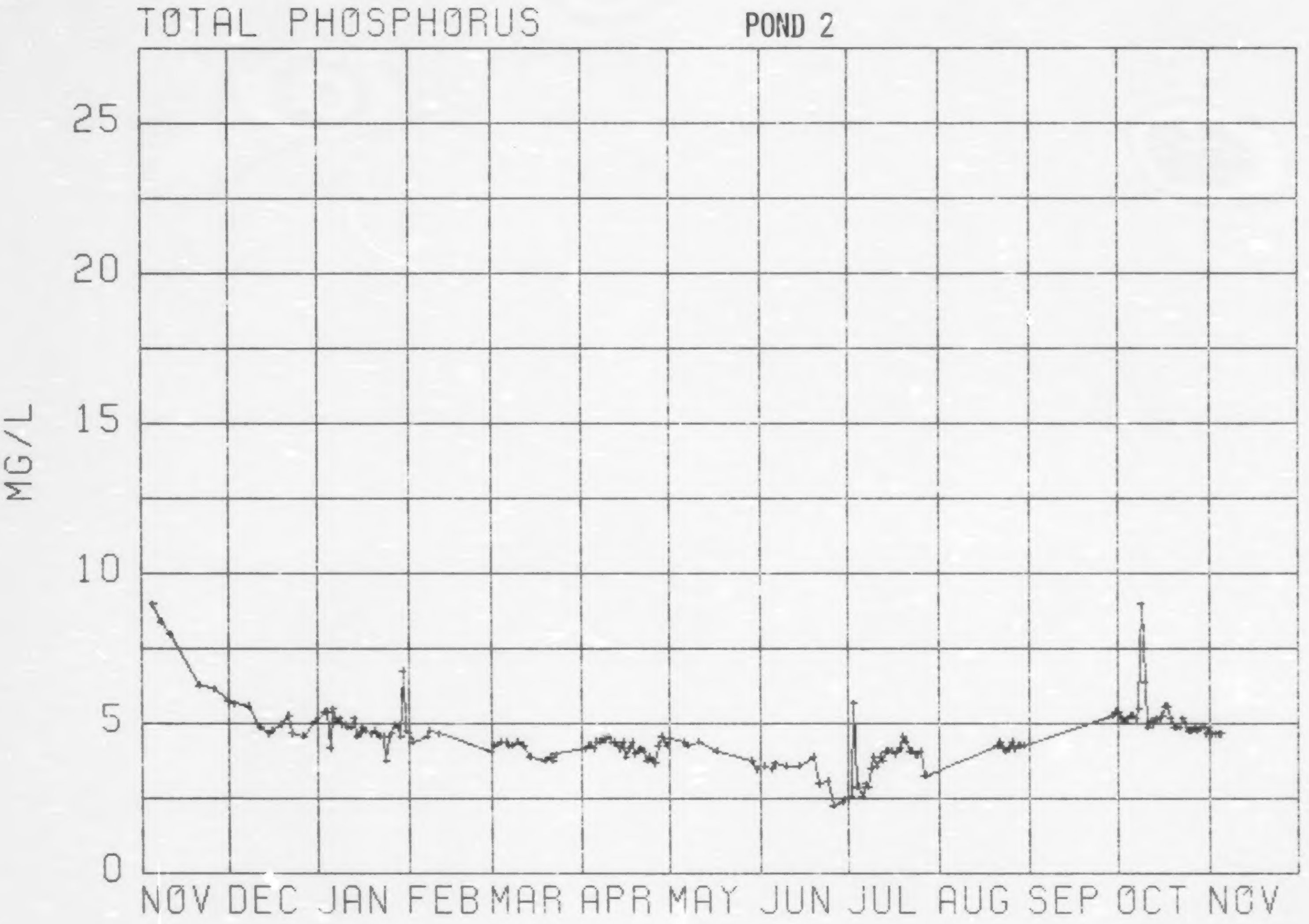

SOLUBLE COD
POND 1
MG/L
500
400
300
200
100
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

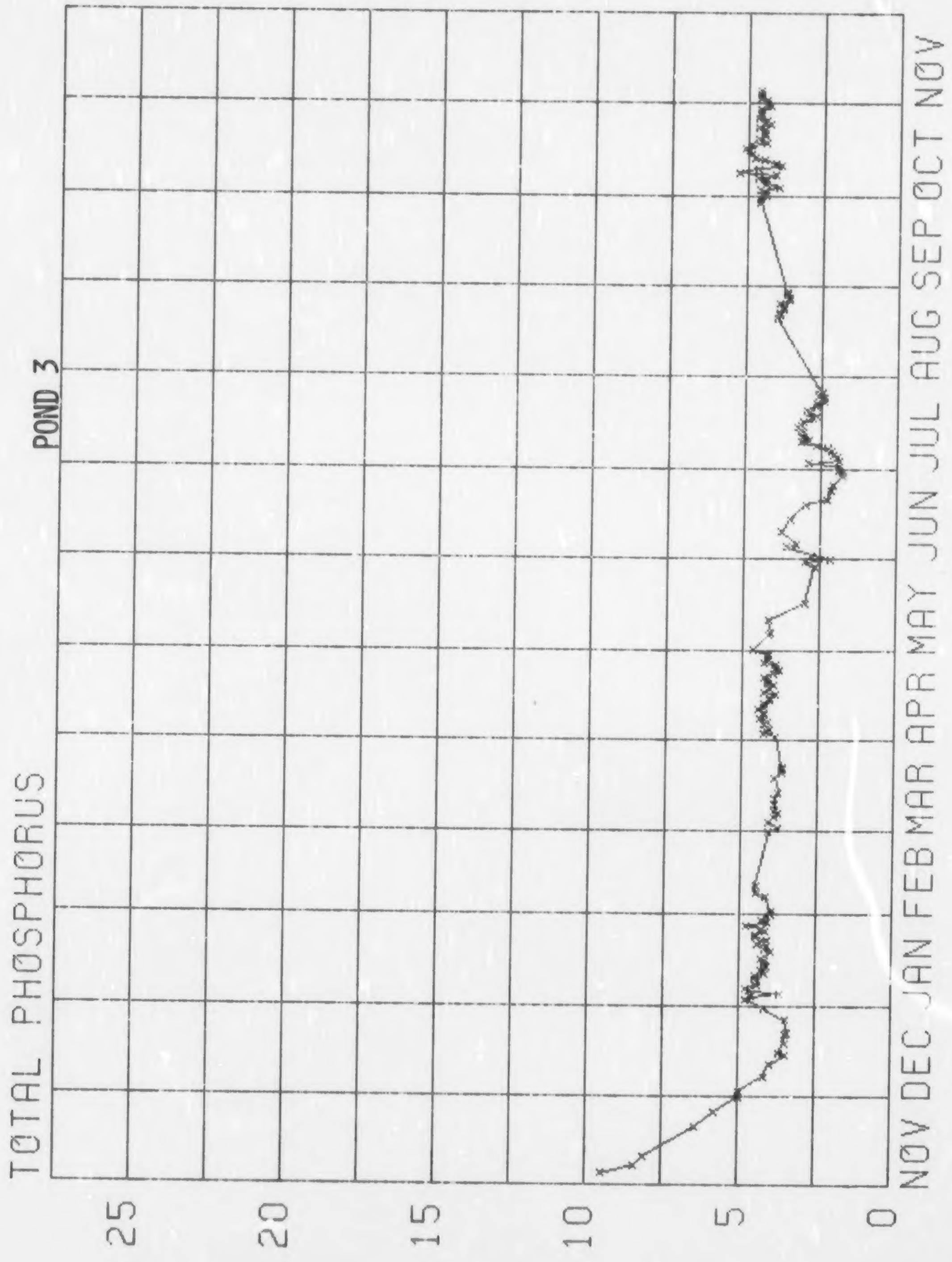

SOLUBLE COD
POND 2
MG/L
0
100
200
300
400
500
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

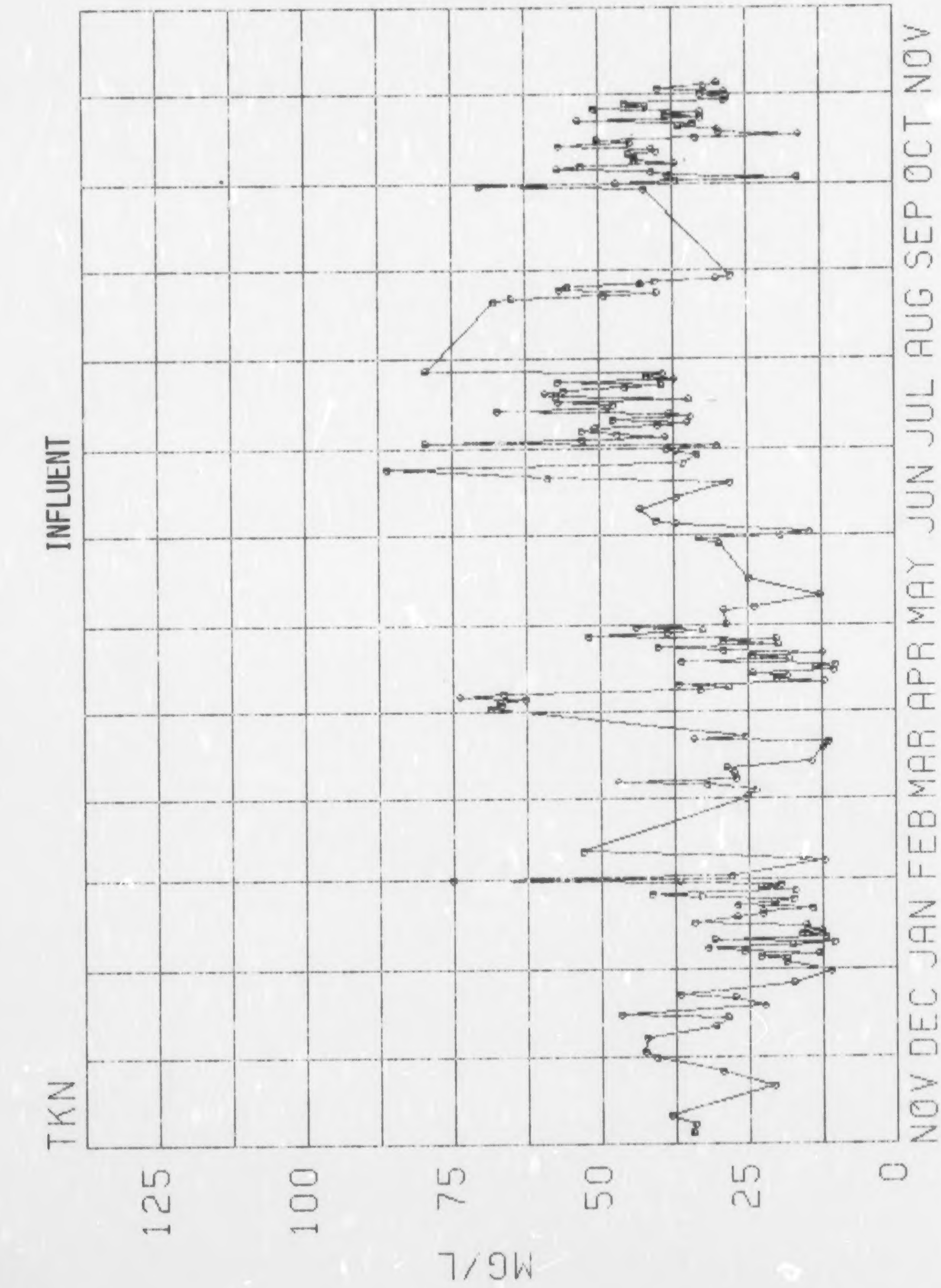

SØLUBLE CØD
POND 3
MG/L
500
400
300
200
100
0
NØV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP ØCT NØV

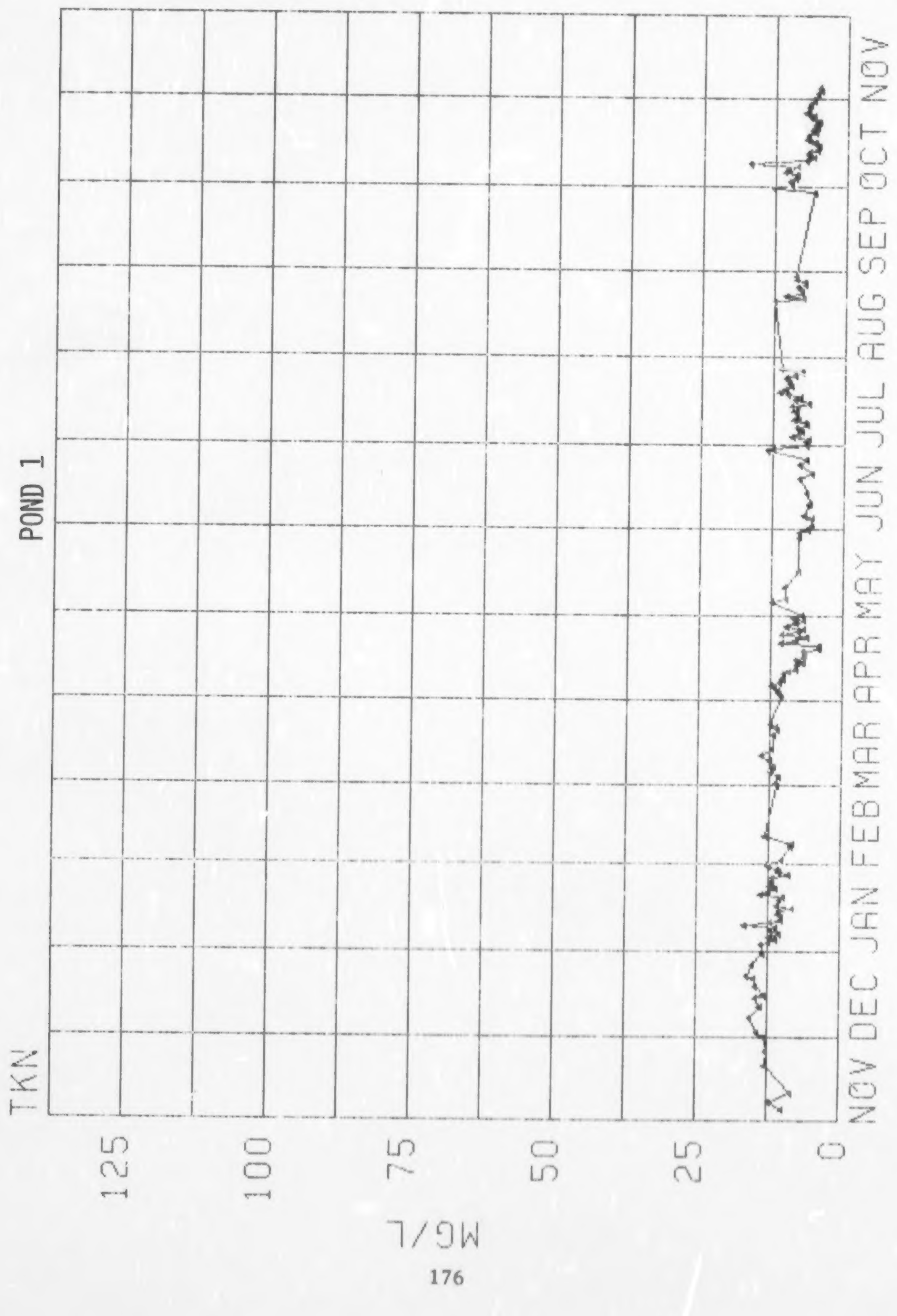

TOTAL PHOSPHORUS
INFLUENT
MG/L
25
20
15
10
5
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

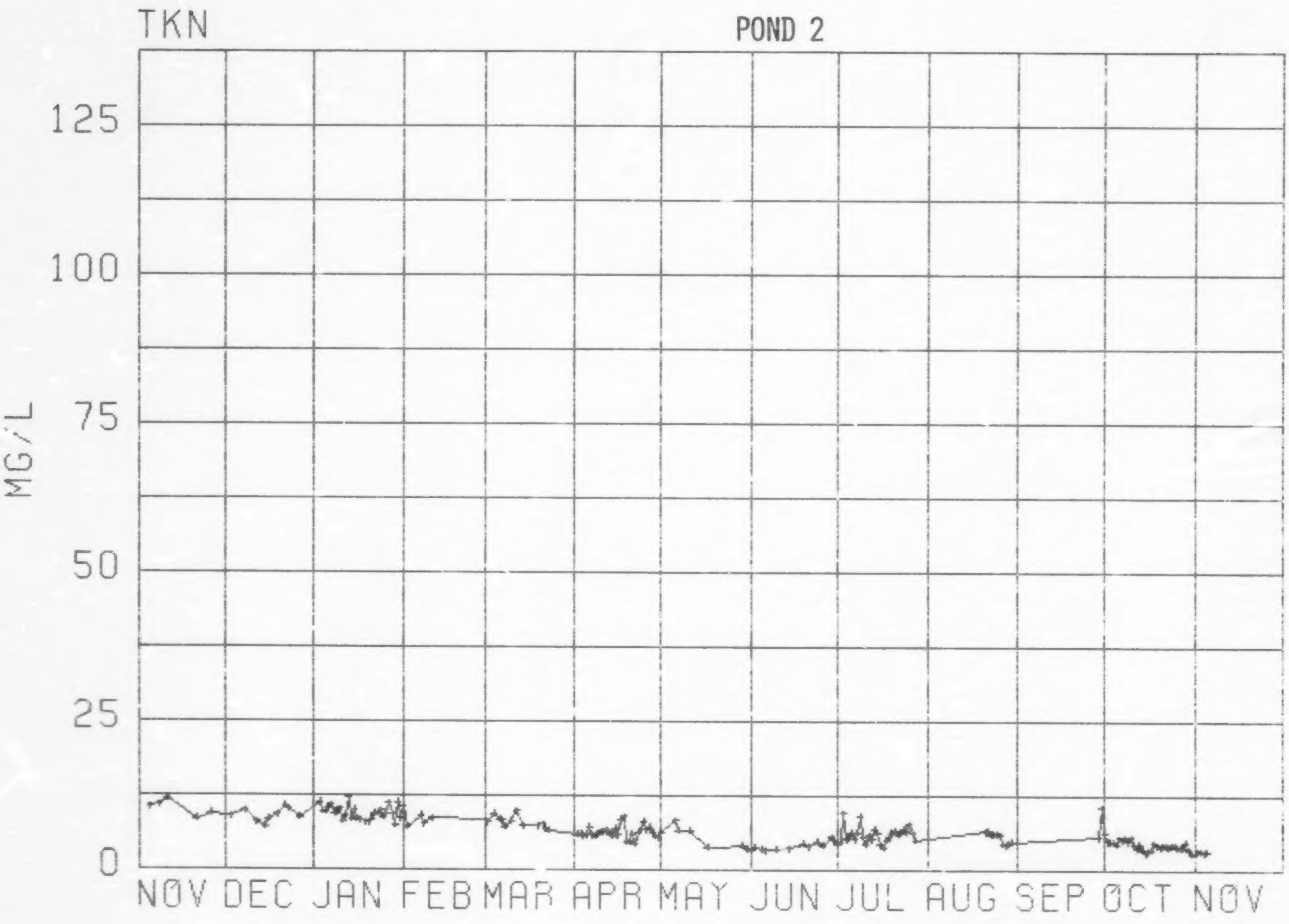

TOTAL PHOSPHORUS
POND 1
MG/L
25
20
15
10
5
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

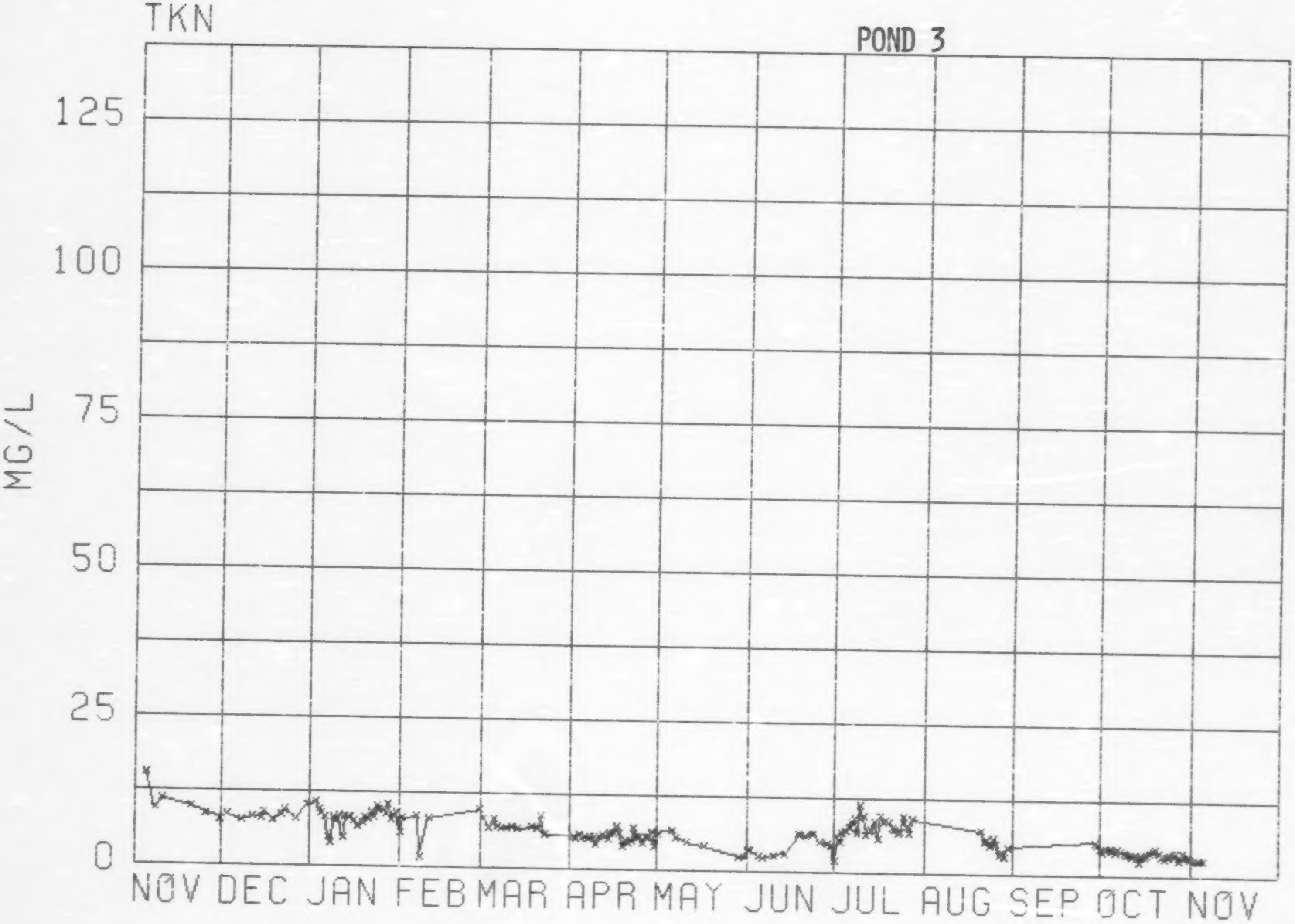

TØTAL PHØSPHØRUS
POND 2
MG/L
25
20
15
10
5
0
NØV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
ØCT
NØV

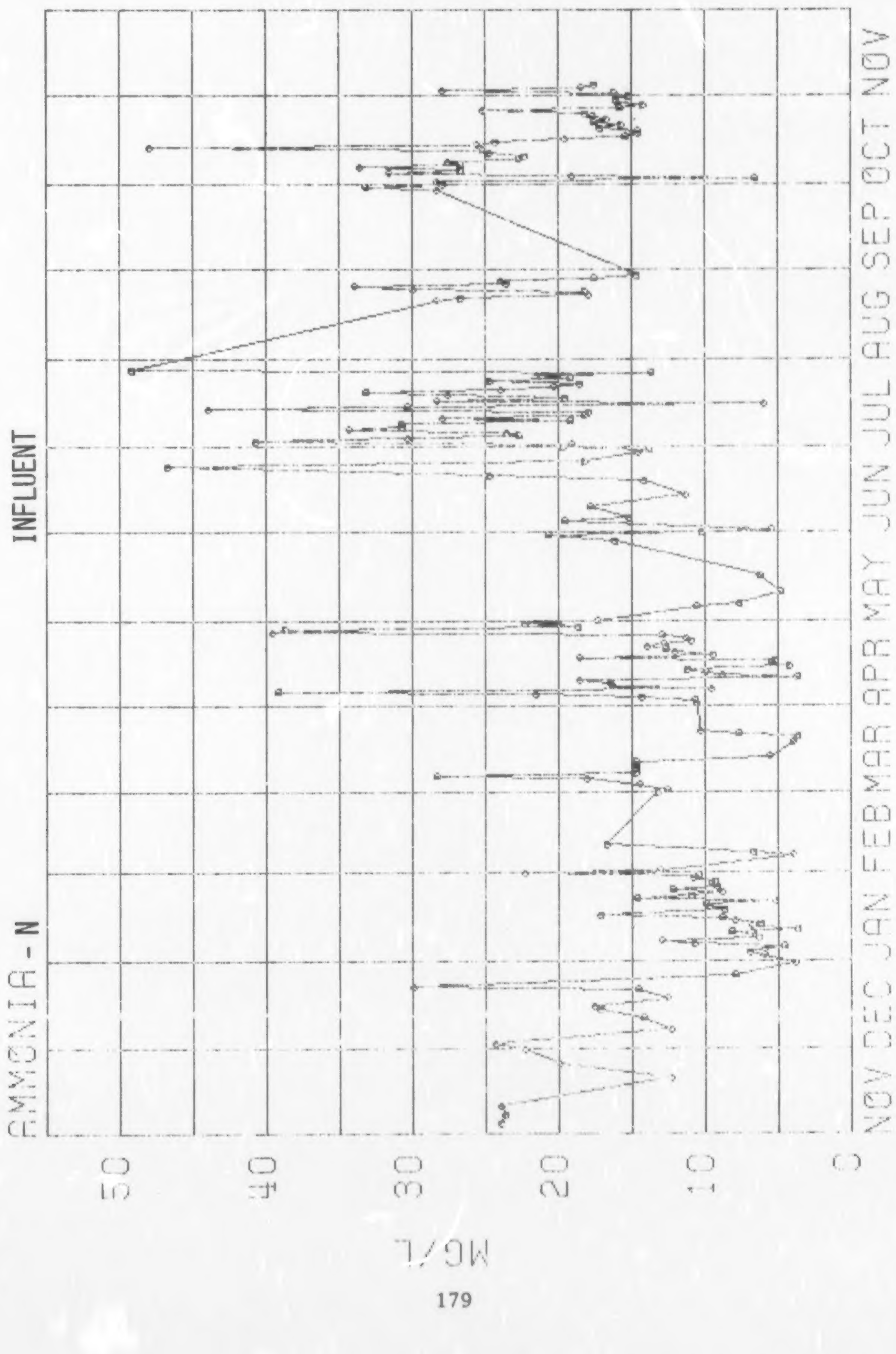

TOTAL PHOSPHORUS
POND 3
MG/L
0
5
10
15
20
25
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

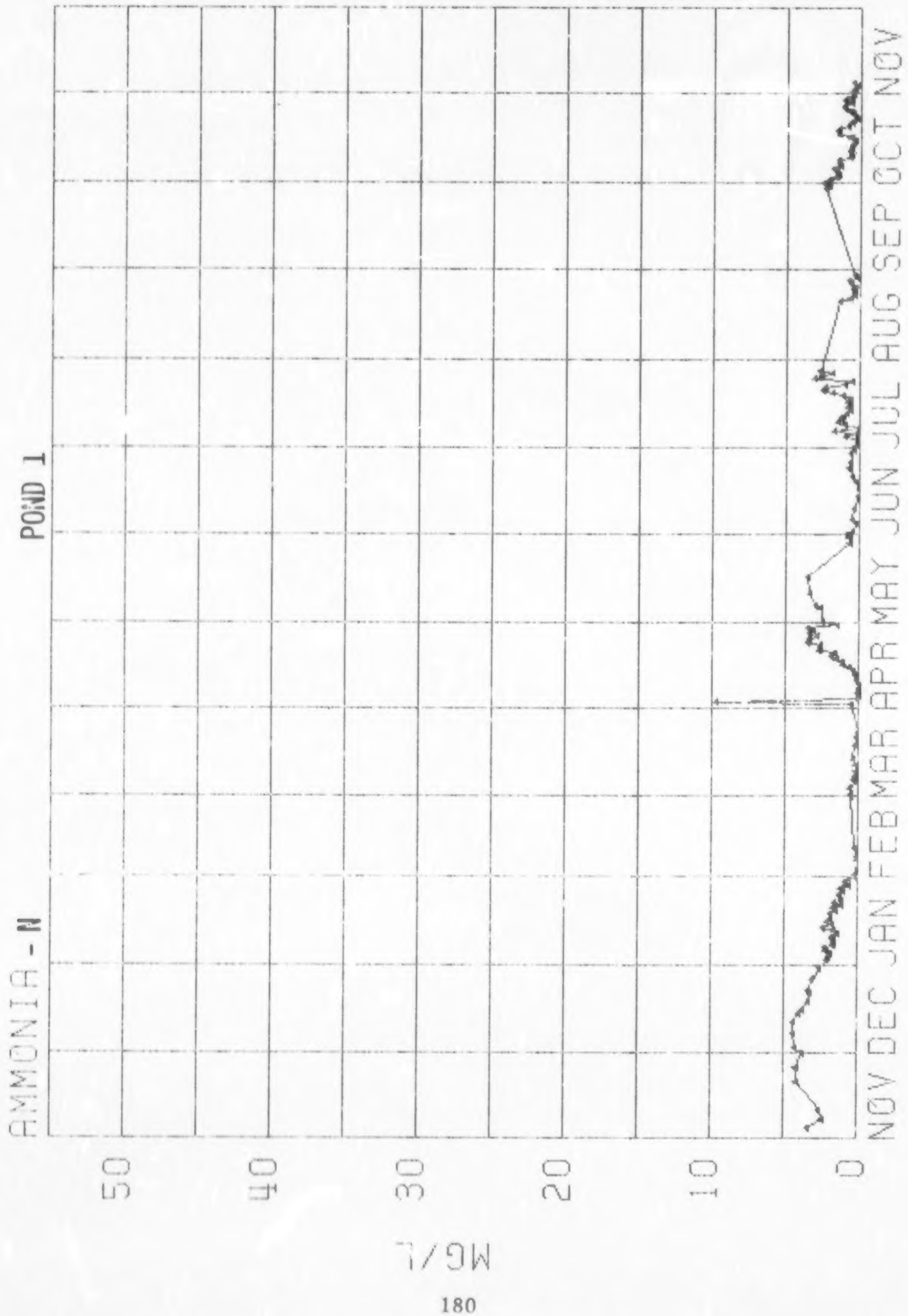

INFLUENT
TKN
MG/L
0
25
50
75
100
125
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

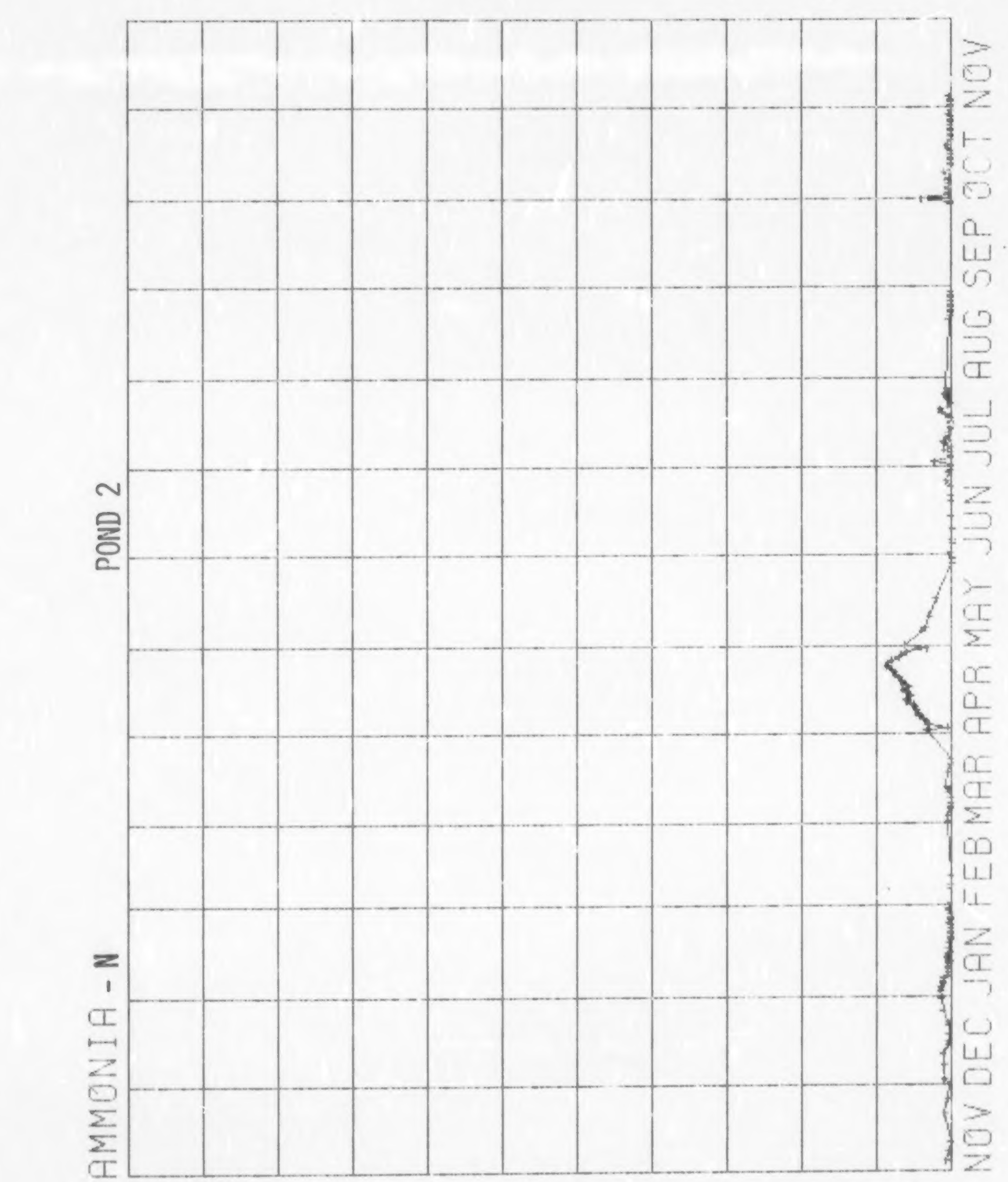

POND 1
TKN
MG/L
125
100
75
50
25
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

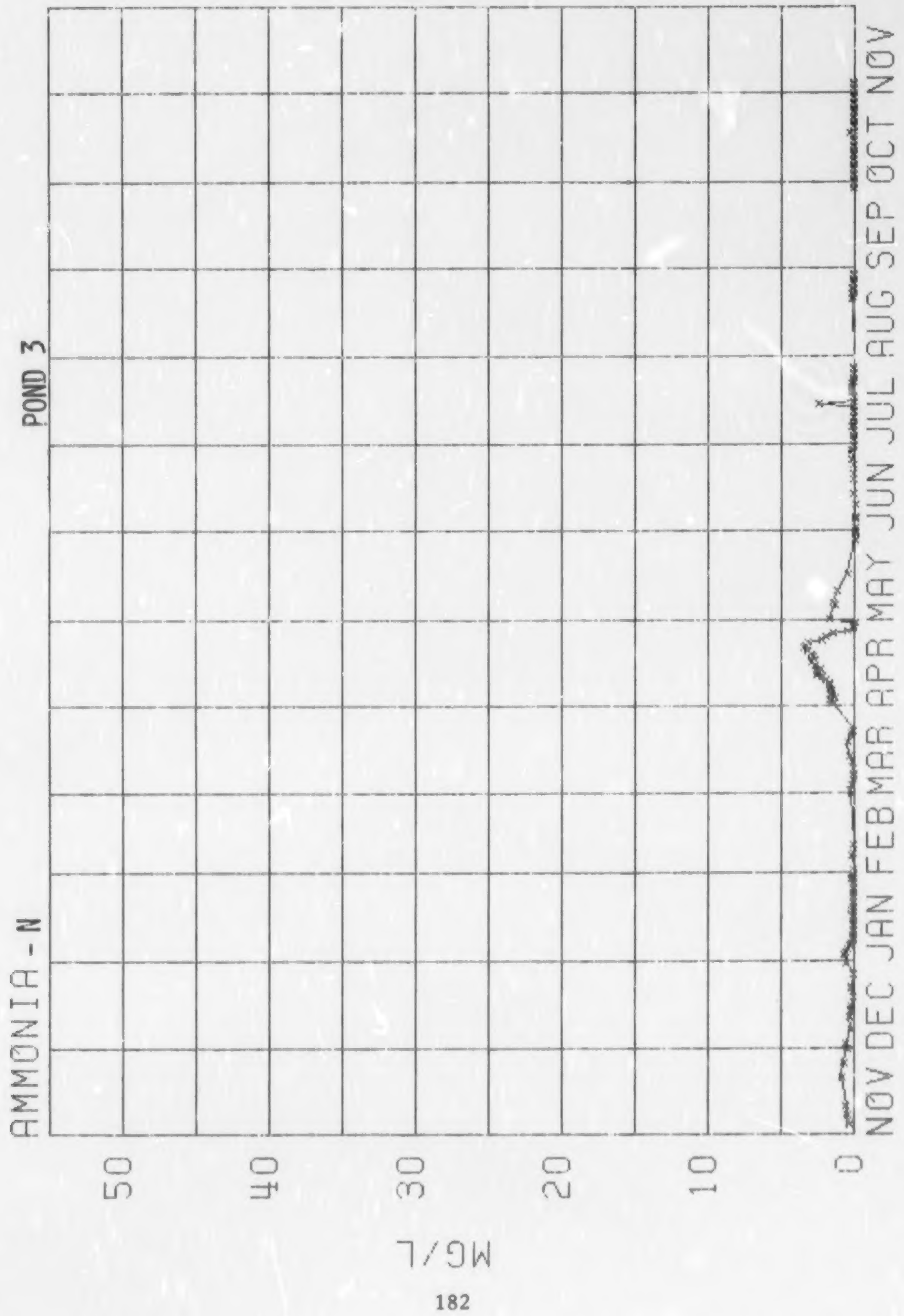

TKN
POND 2
MG/L
125
100
75
50
25
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

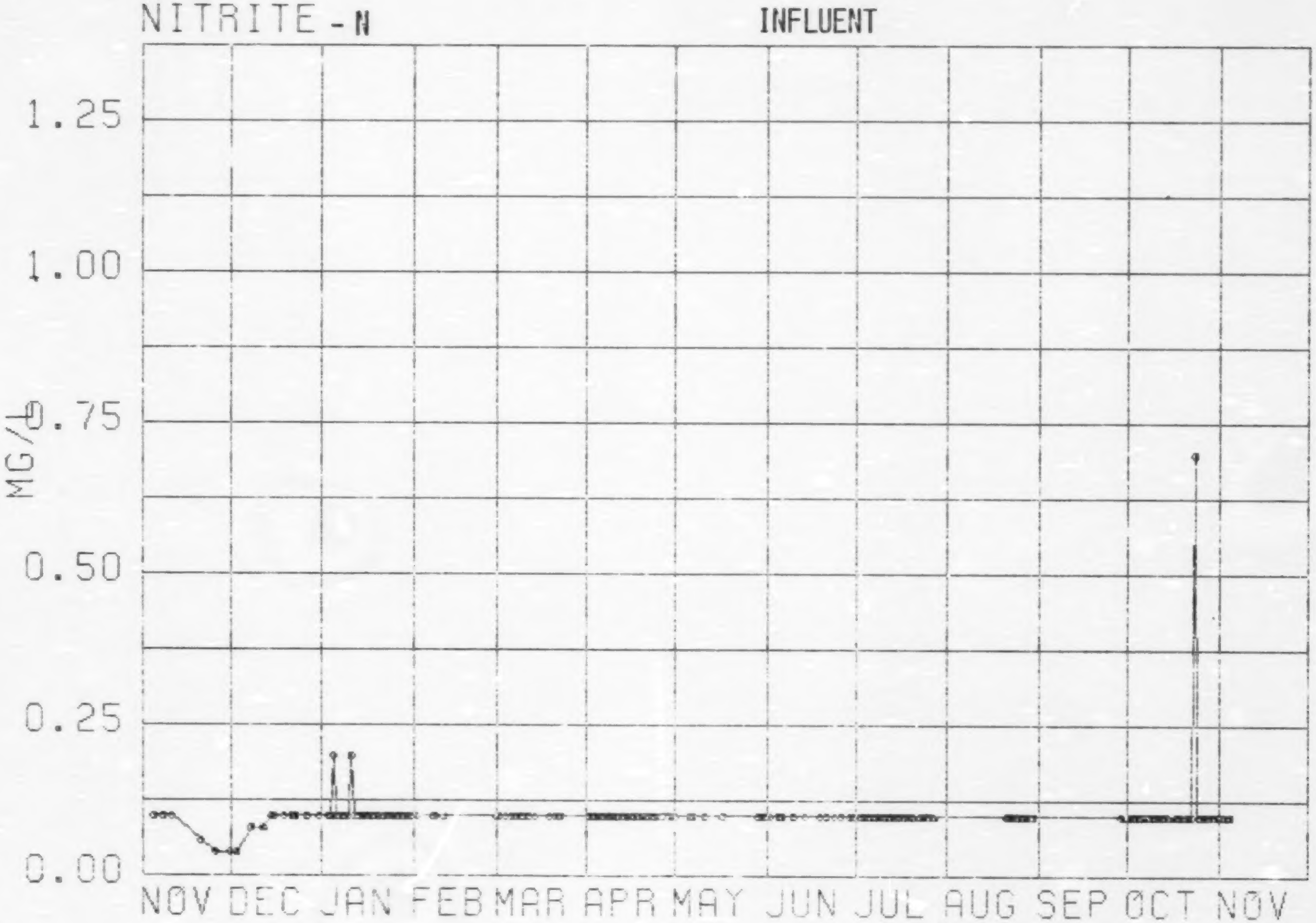

TKN
POND 3
MG/L
125
100
75
50
25
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

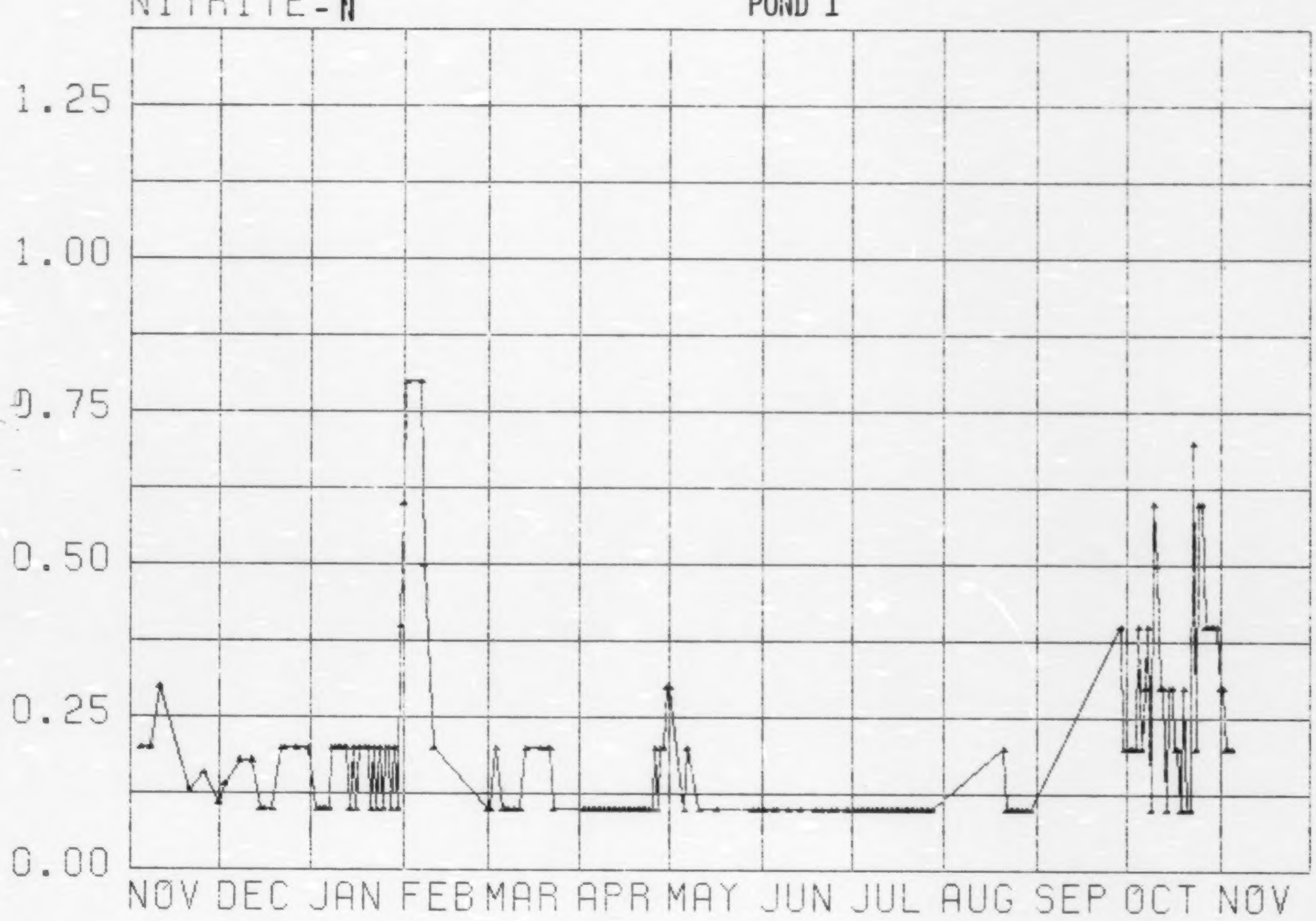

AMMONIA-N
INFLUENT
MG/L
50
40
30
20
10
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

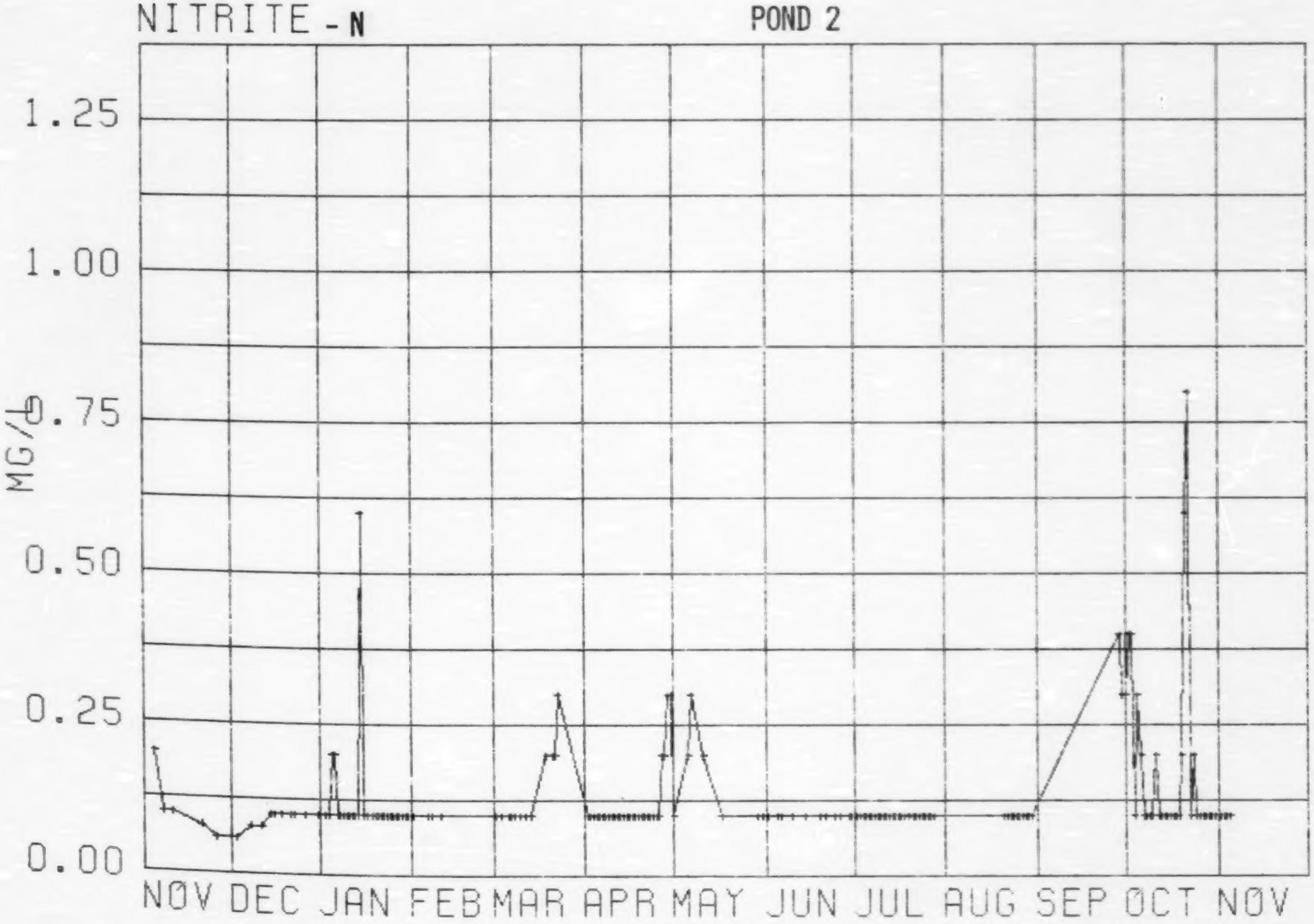

AMMONIA - N
POND 1
MG/L
50
40
30
20
10
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

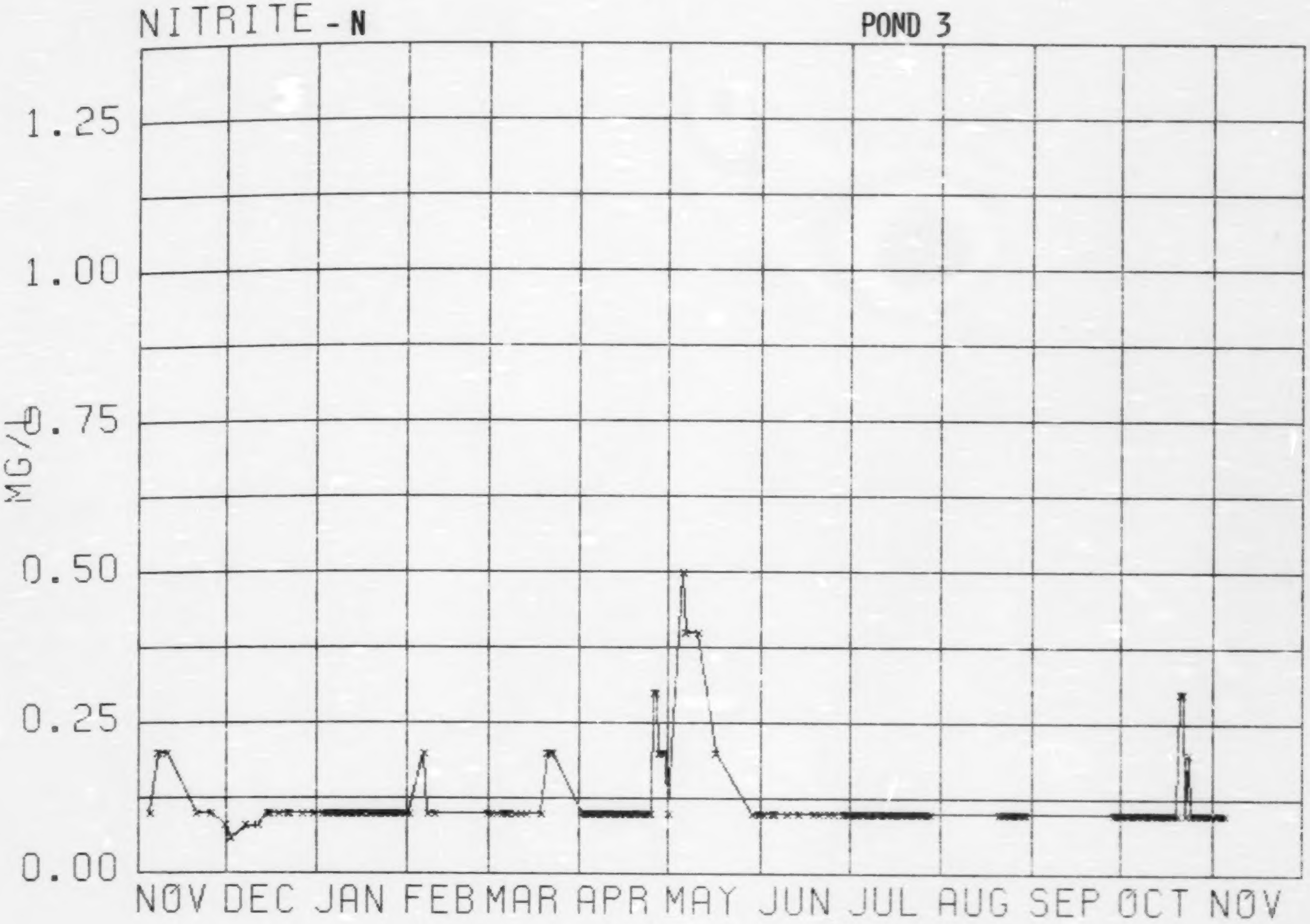

AMMONIA - N
POND 2
50
40
30
20
10
0
MG/L
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

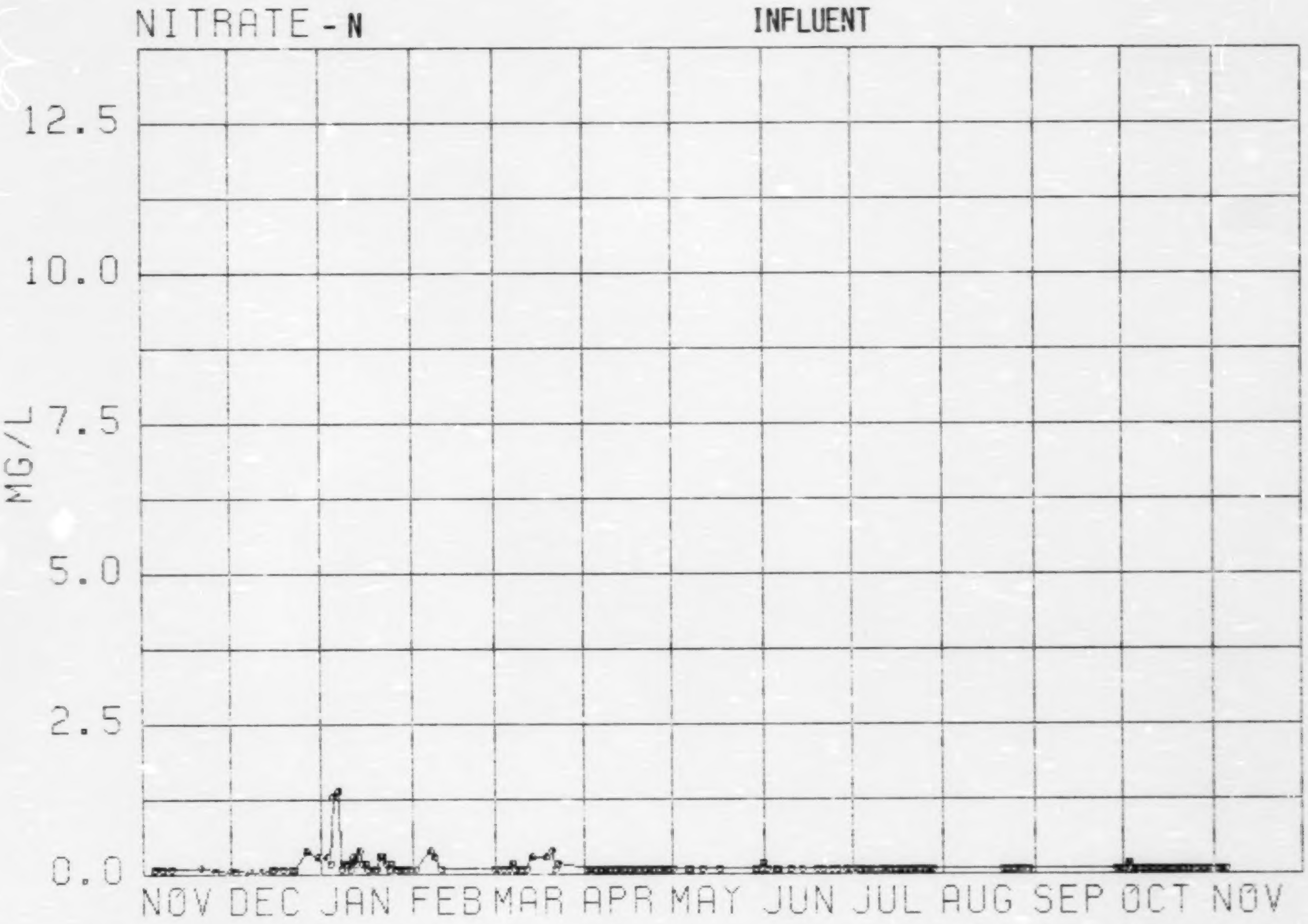

AMMONIA-N
POND 3
MG/L
50
40
30
20
10
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

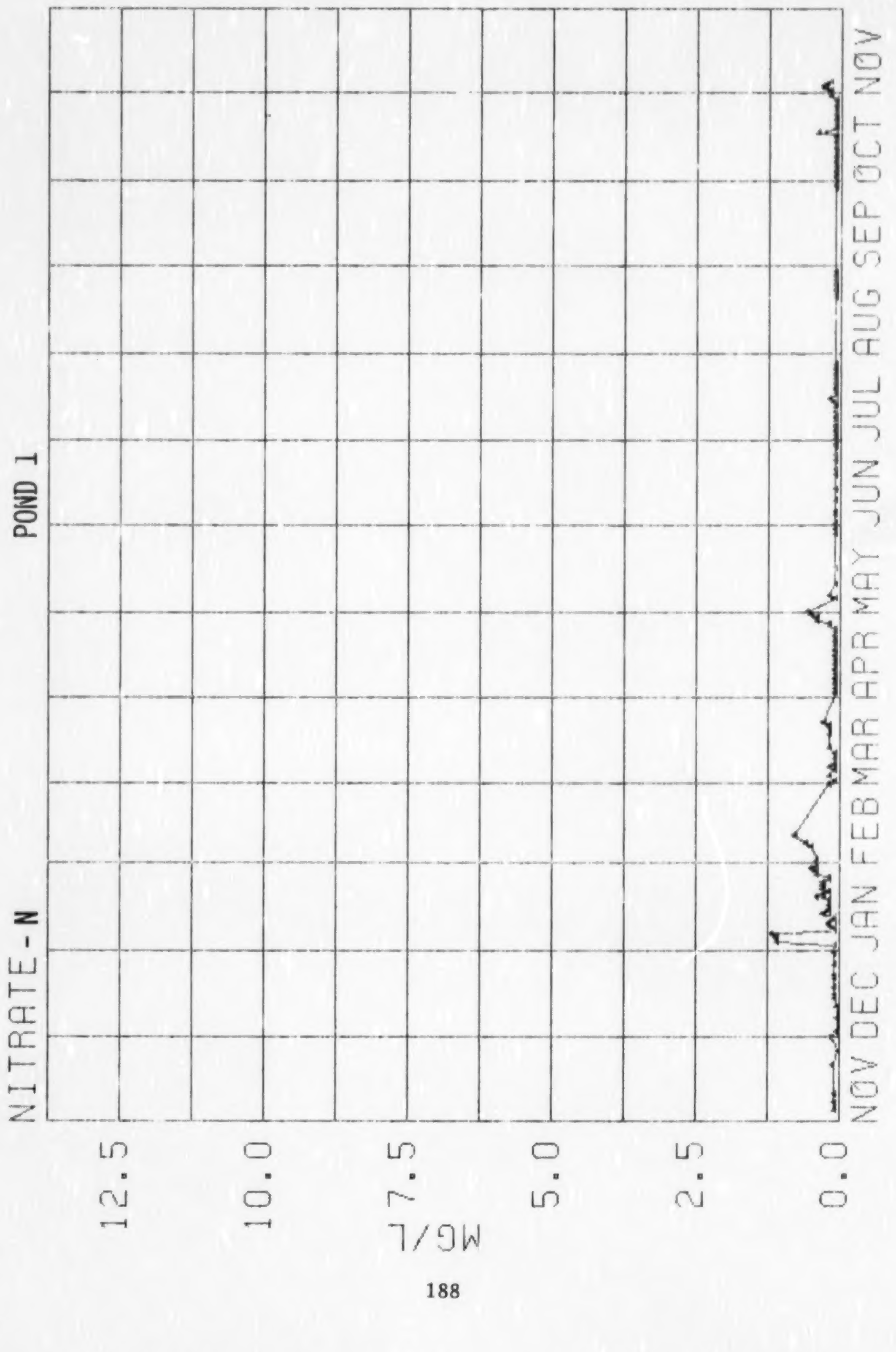

NITRITE - N
INFLUENT
MG/L
1.25
1.00
0.75
0.50
0.25
0.00
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

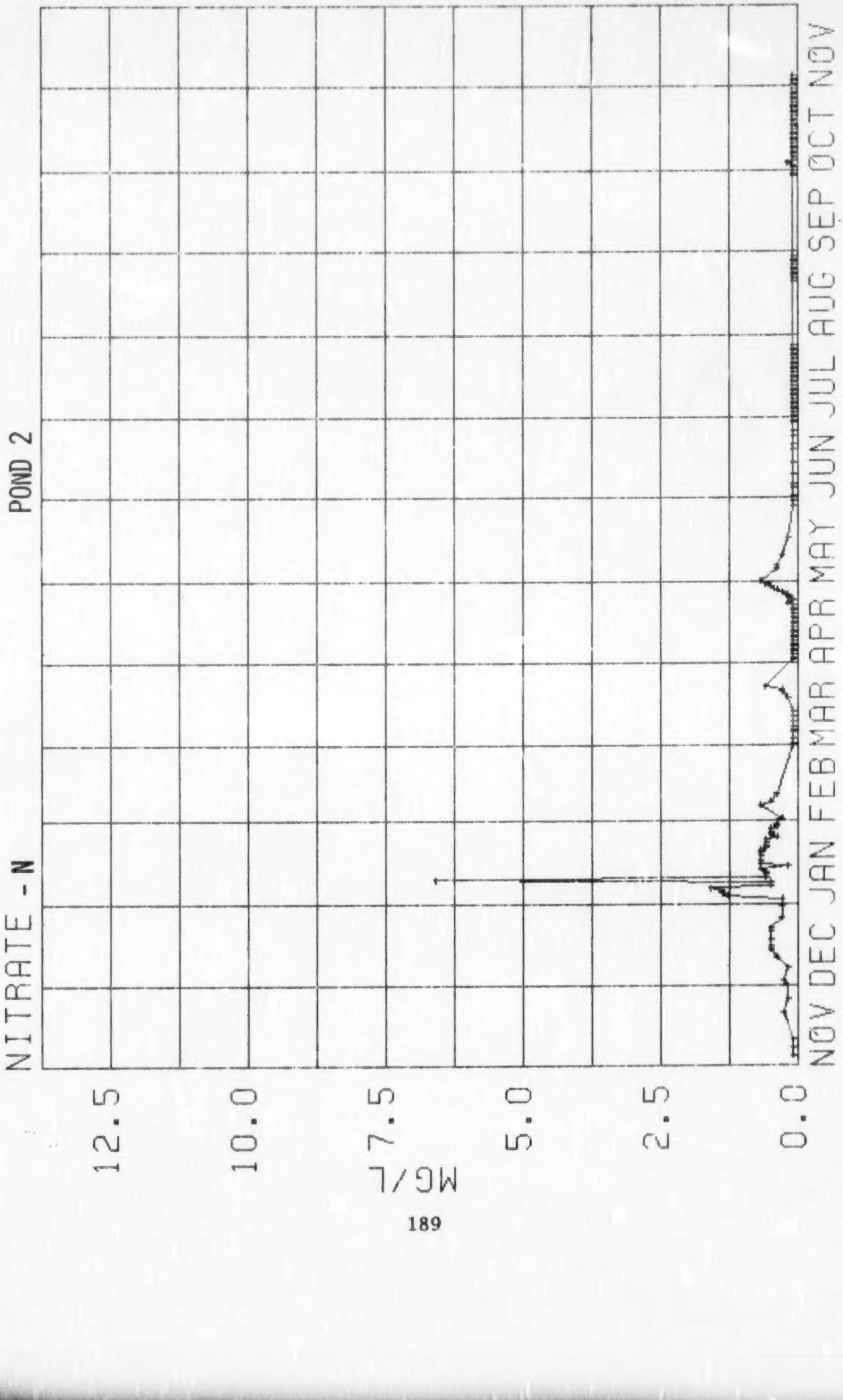

NITRITE-N
POND 1
1.25
1.00
0.75
0.50
0.25
0.00
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

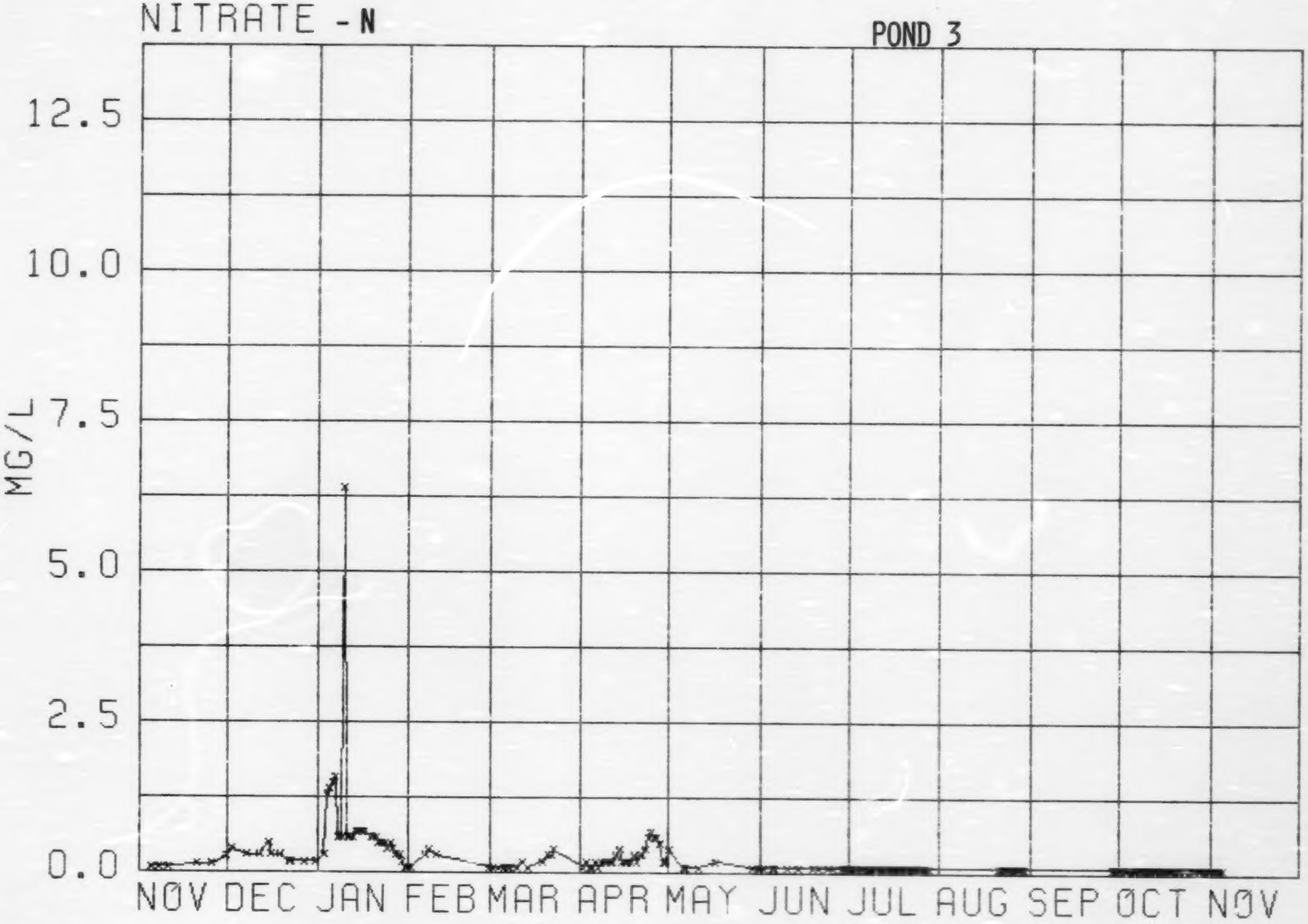

NITRITE -N
POND 2
MG/L
1.25
1.00
0.75
0.50
0.25
0.00
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

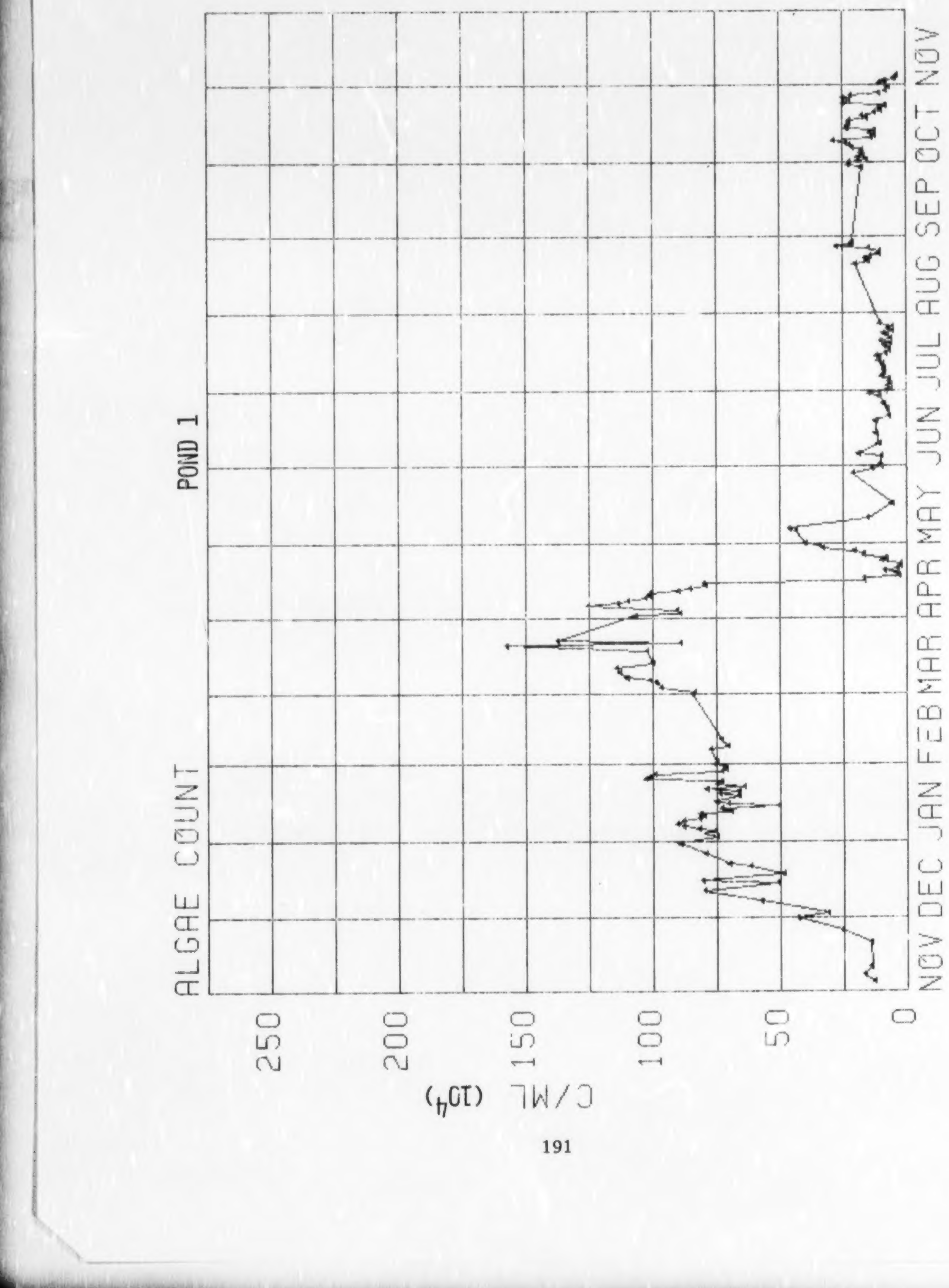

NITRITE - N
POND 3
MG/L
1.25
1.00
0.75
0.50
0.25
0.00
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

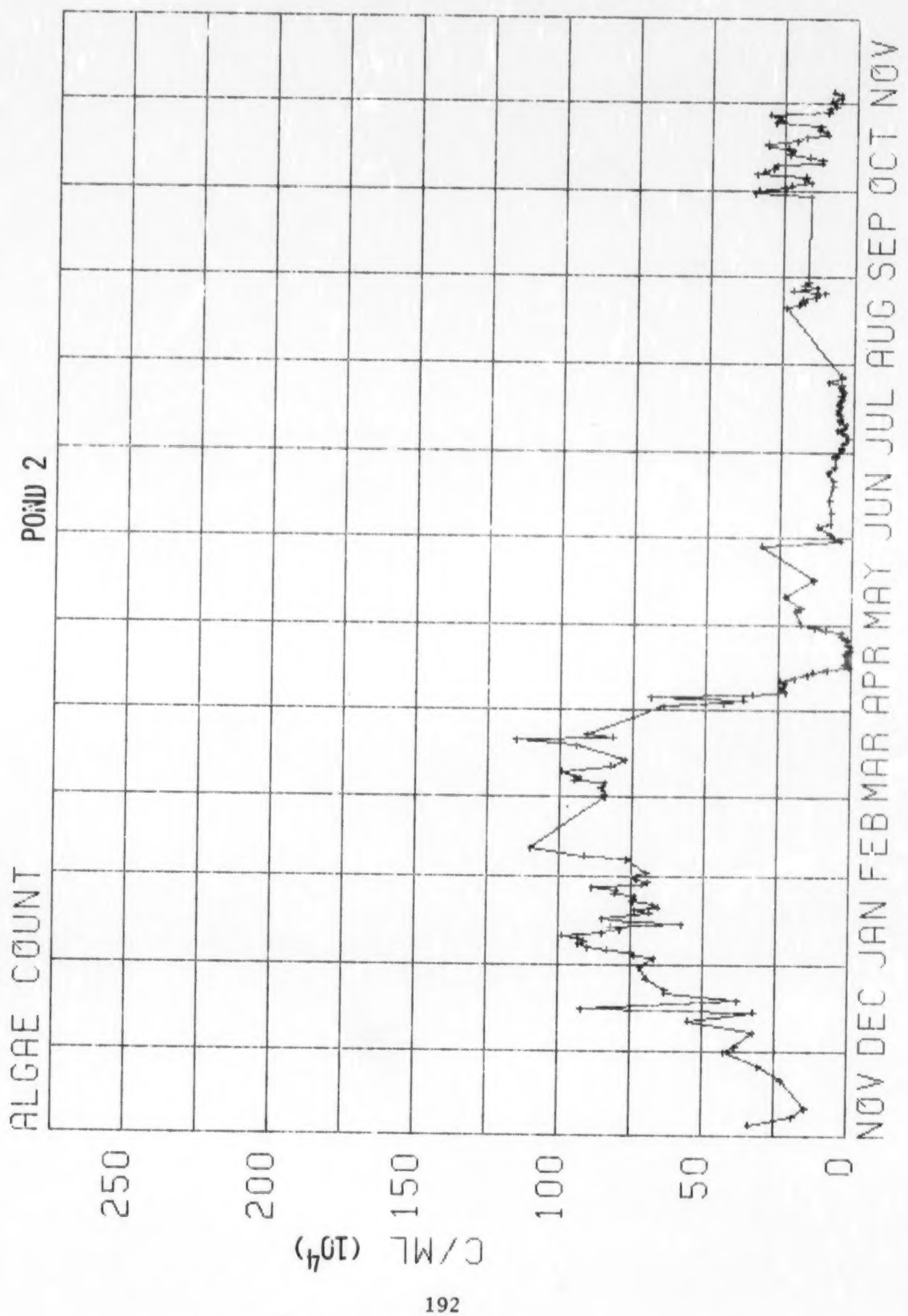

NITRATE-N
INFLUENT
MG/L
12.5
10.0
7.5
5.0
2.5
0.0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

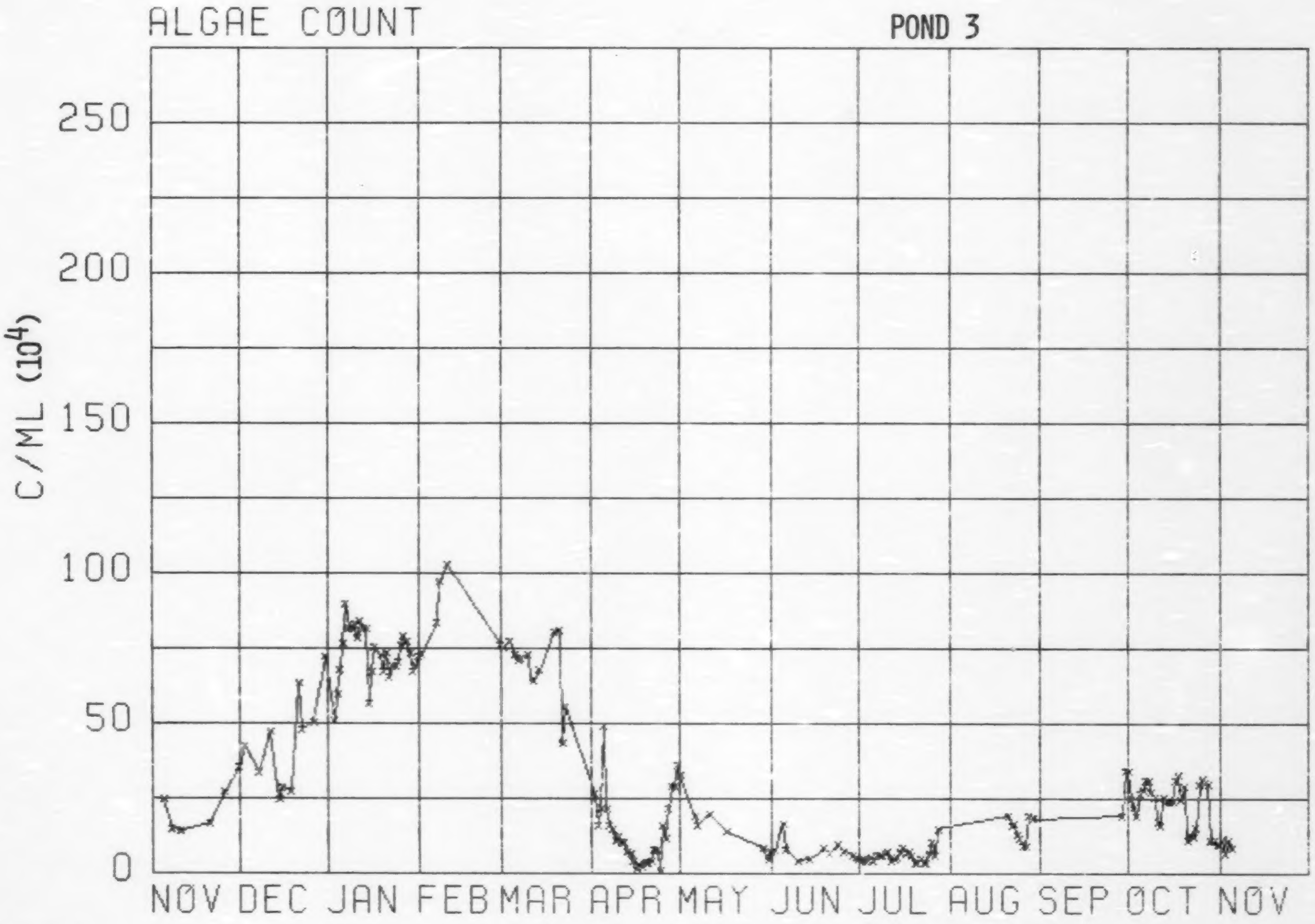

NITRATE-N
POND 1
MG/L
12.5
10.0
7.5
5.0
2.5
0.0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

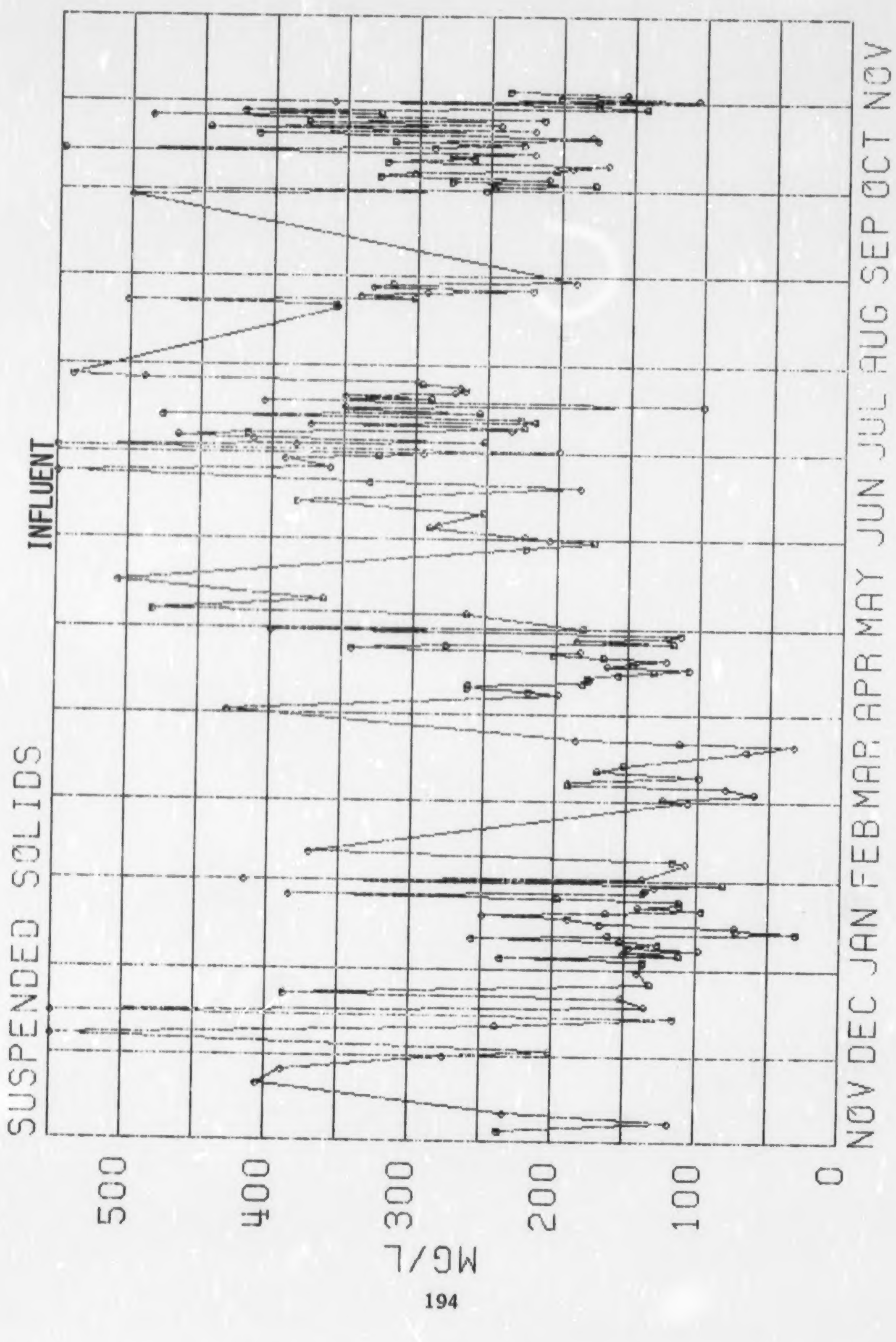

NITRATE -N
POND 2
MG/L
12.5
10.0
7.5
5.0
2.5
0.0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

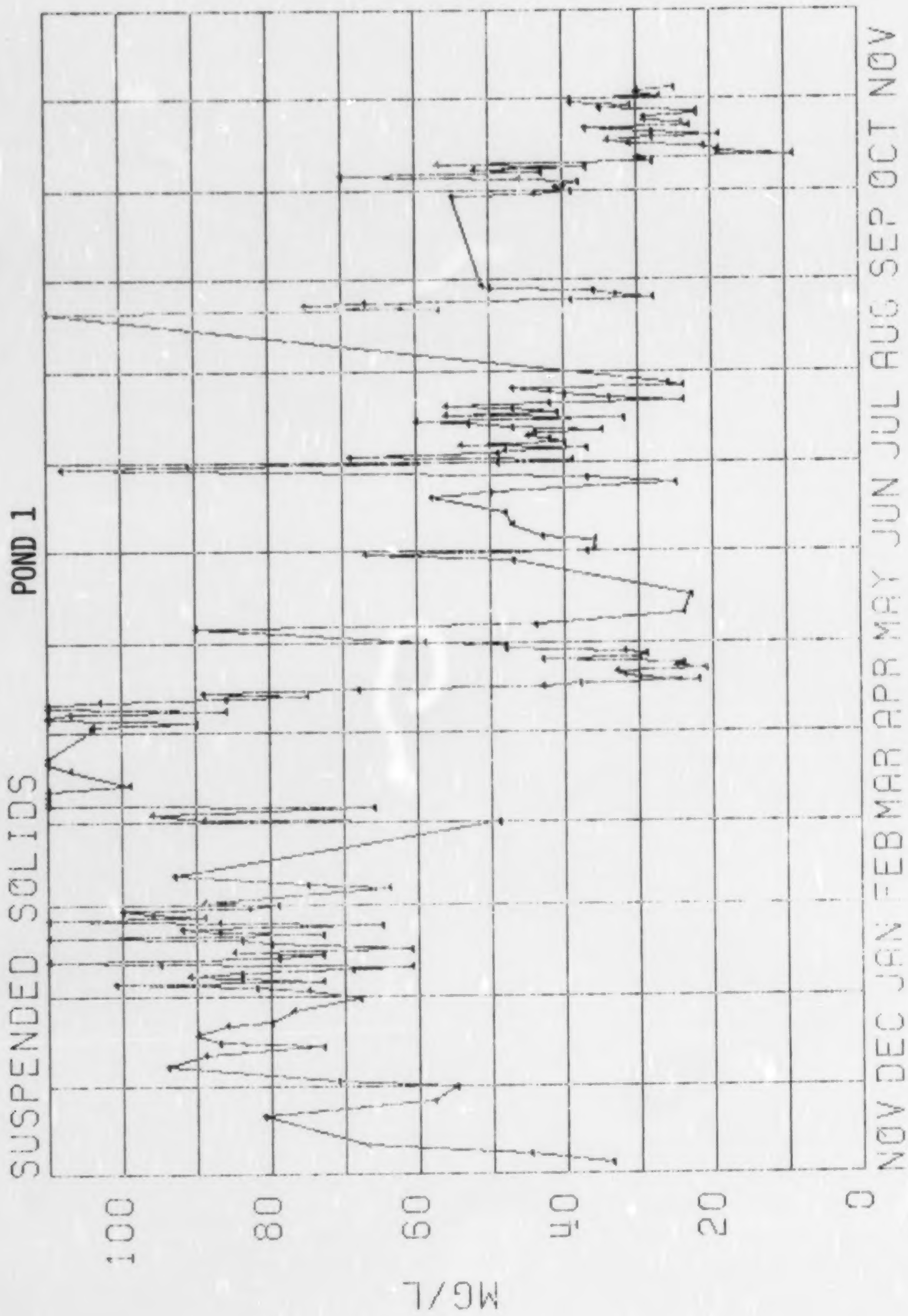

NITRATE -N
POND 3
MG/L
12.5
10.0
7.5
5.0
2.5
0.0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

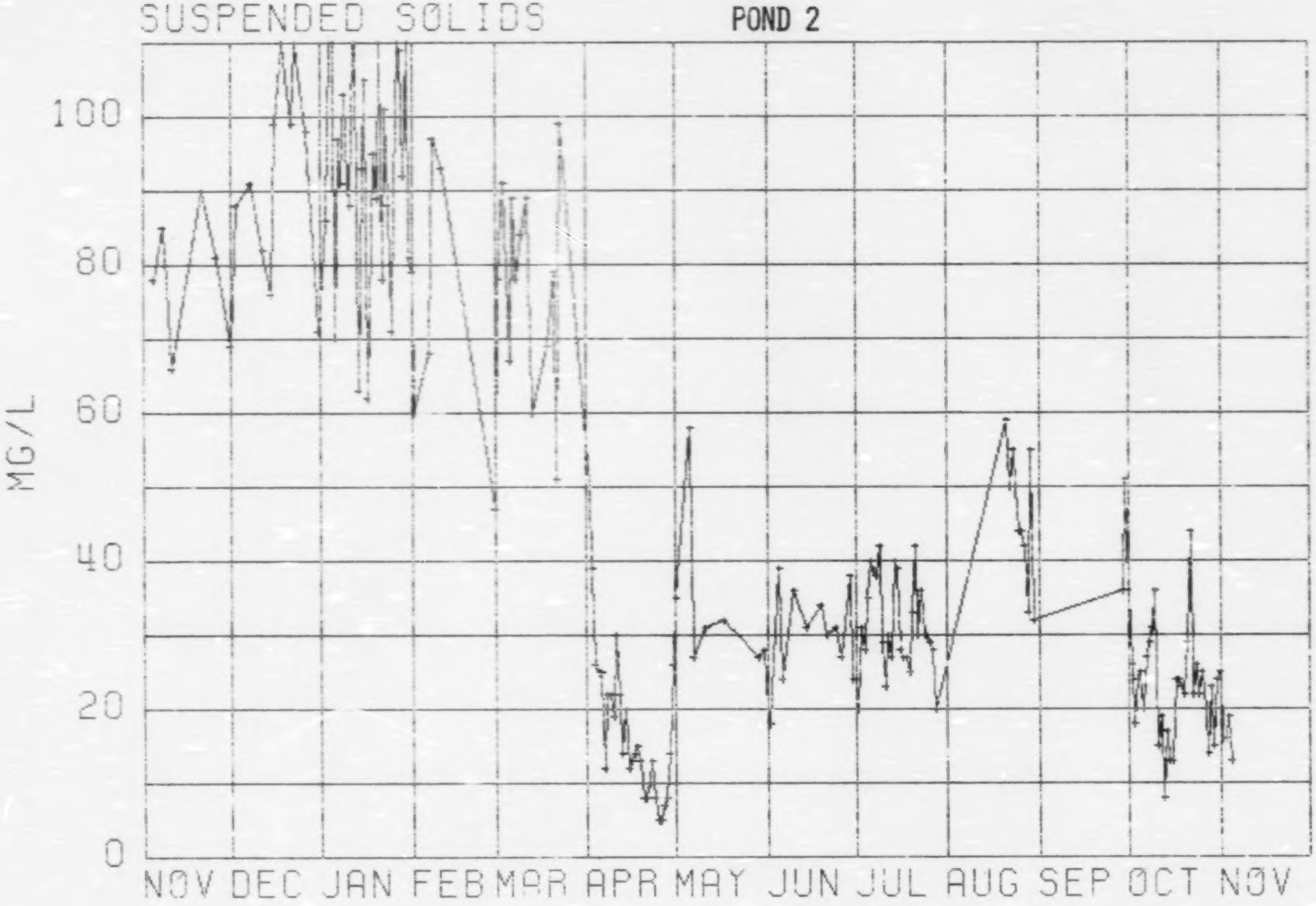

ALGAE COUNT
POND 1
C/ML (10^4)
250
200
150
100
50
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

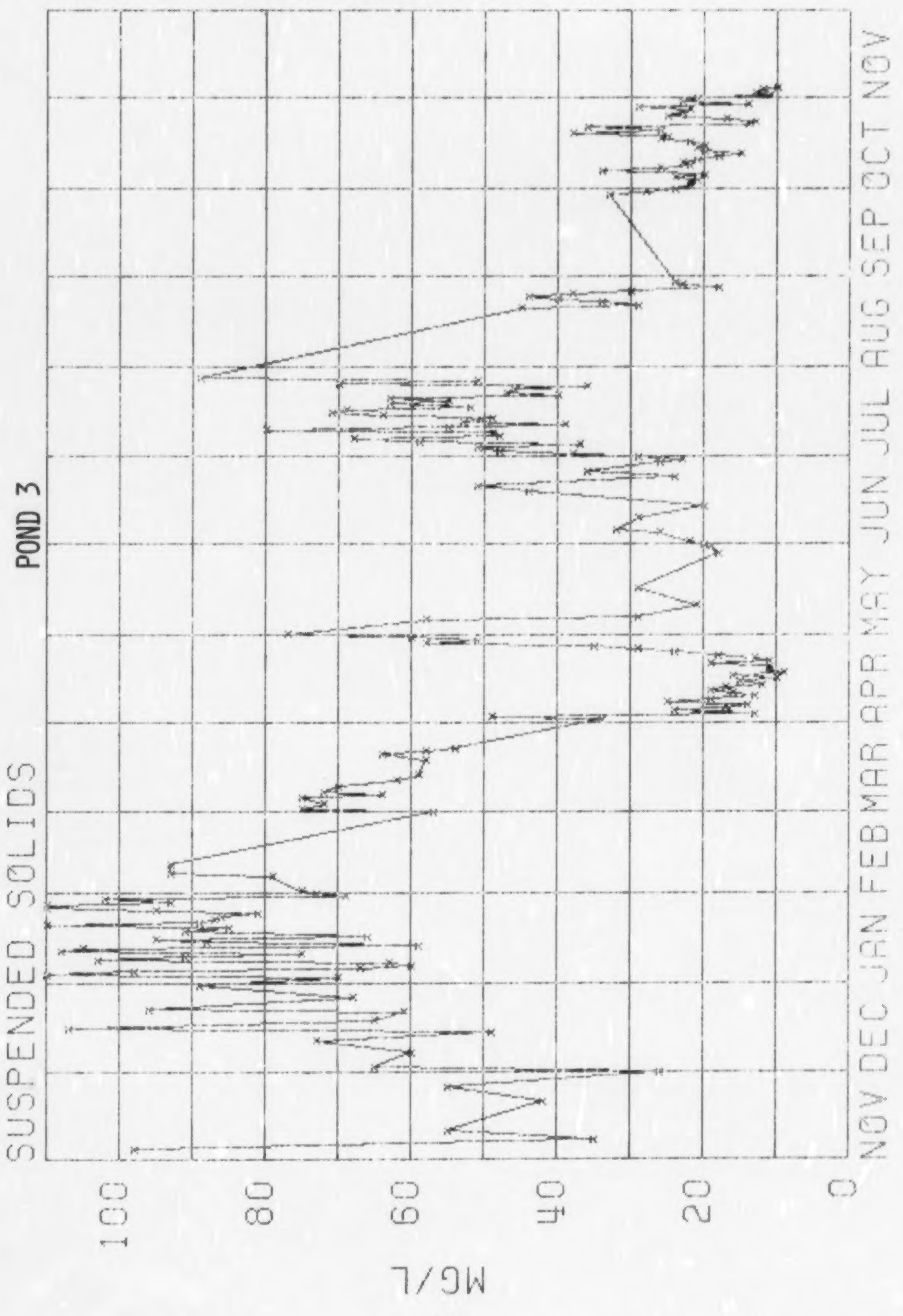

ALGAE COUNT
POND 2
C/ML (10^4)
250
200
150
100
50
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

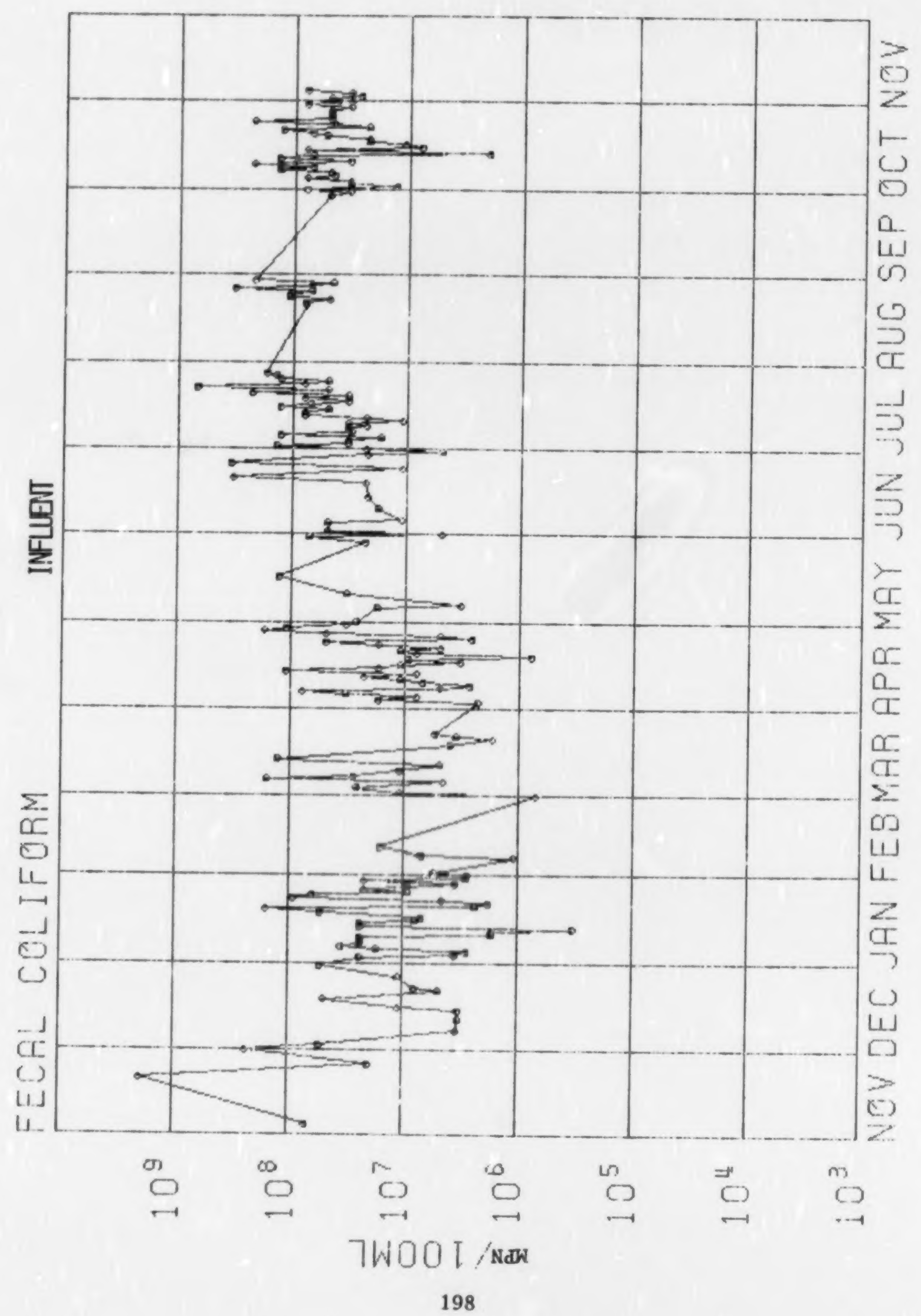

ALGAE COUNT
POND 3
C/ML (10^4)
250
200
150
100
50
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

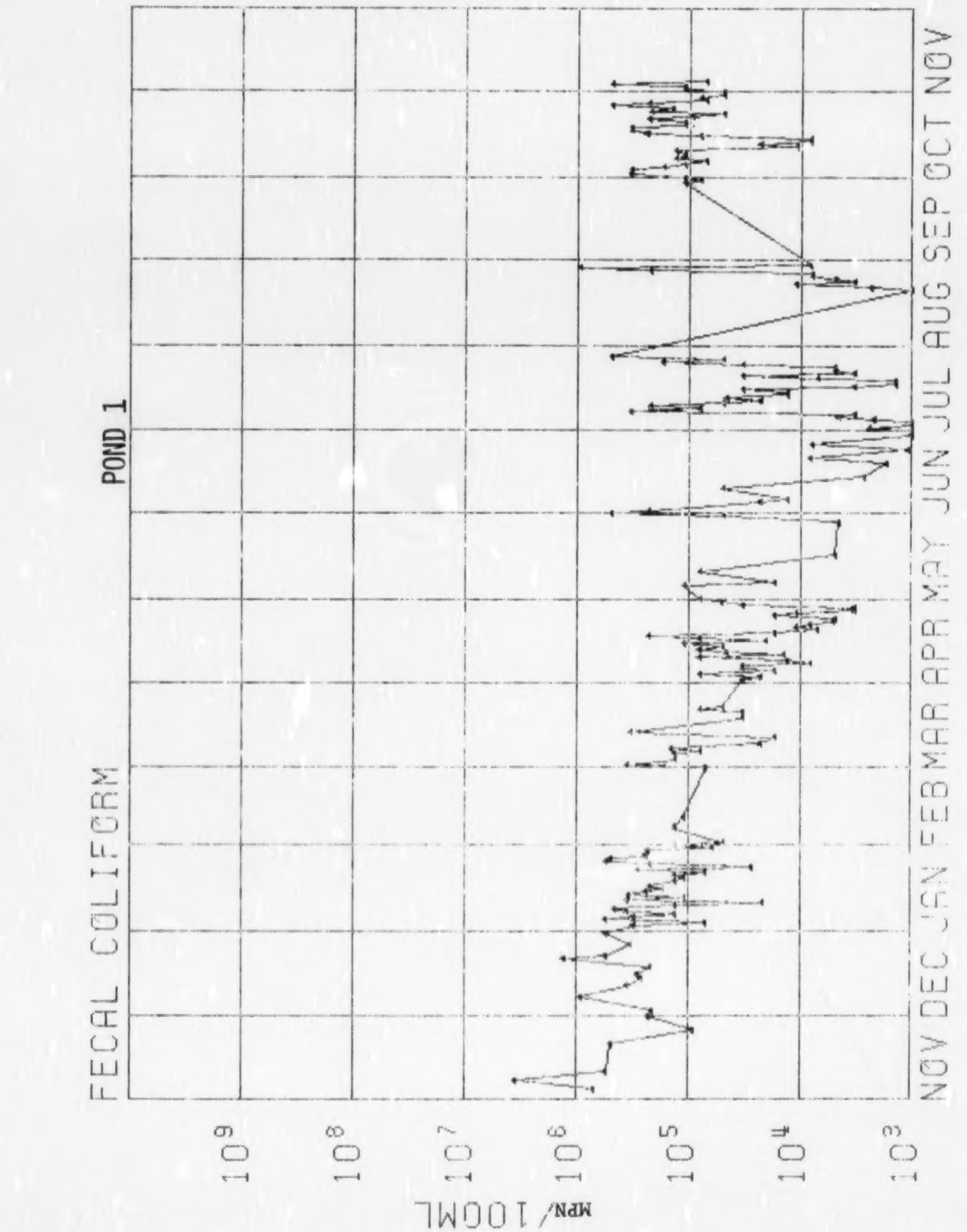

SUSPENDED SOLIDS
INFLUENT
MG/L
500
400
300
200
100
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

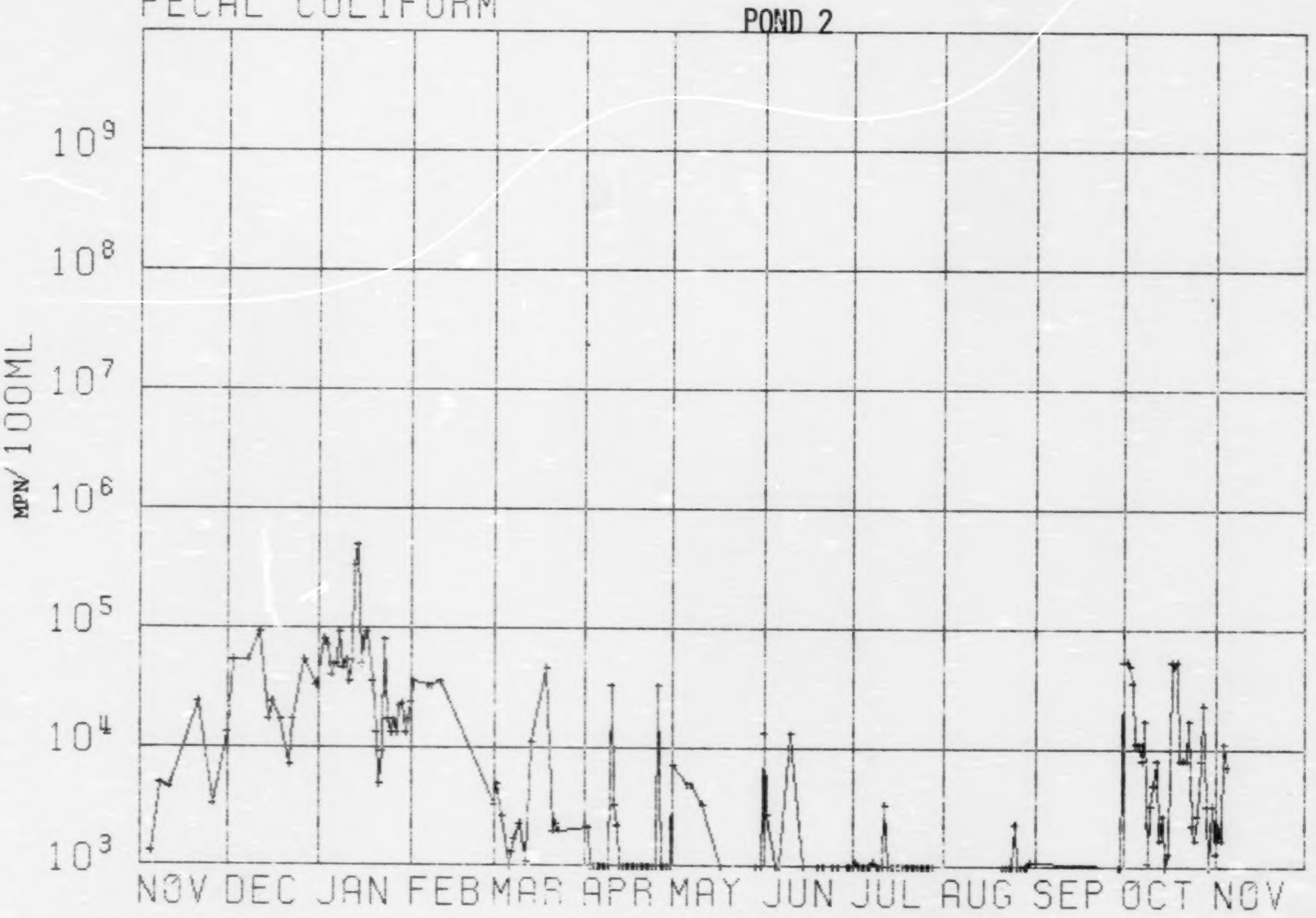

SUSPENDED SOLIDS
POND 1
MG/L
100
80
60
40
20
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

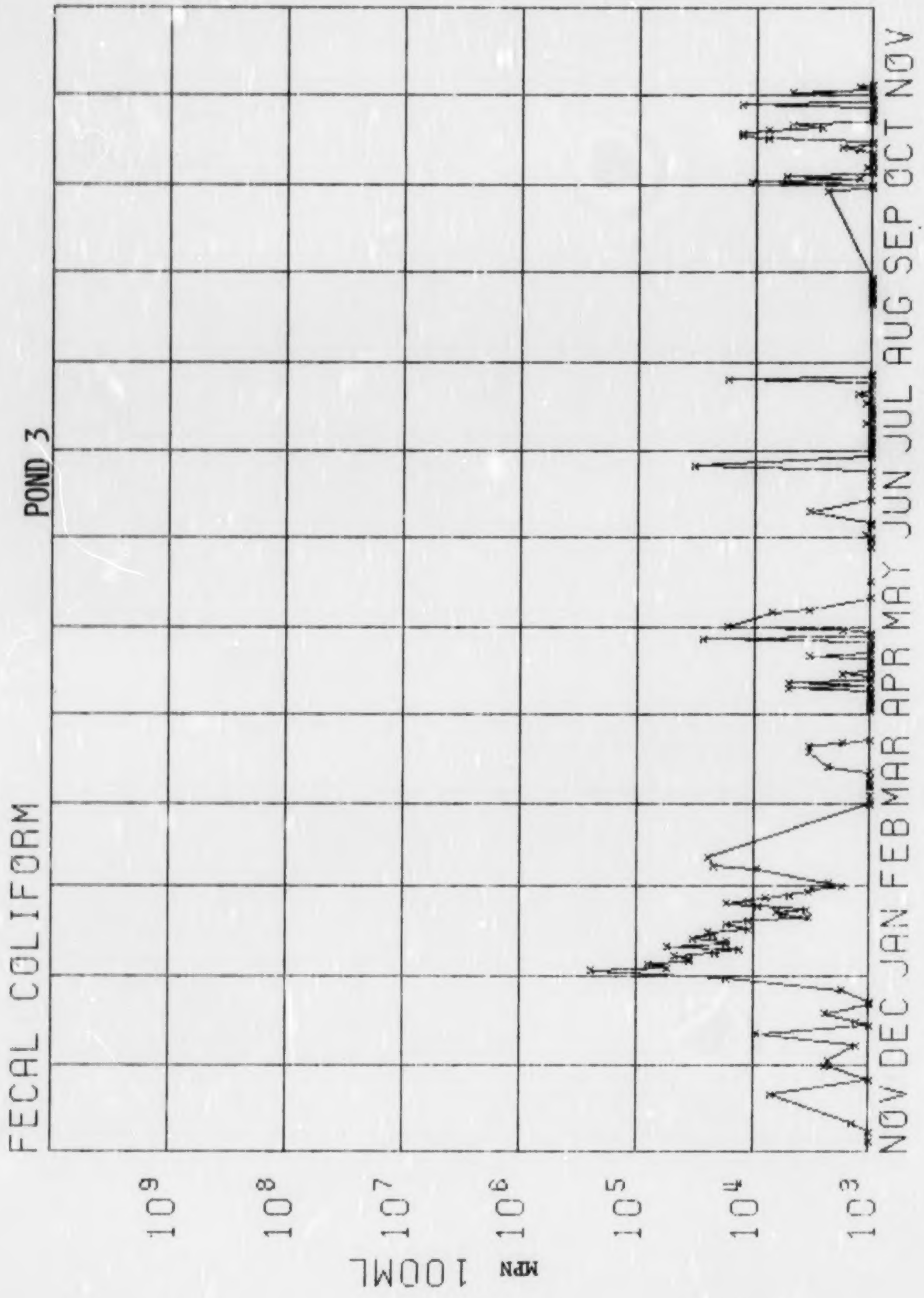

SUSPENDED SØLIDS
POND 2
MG/L
100
80
60
40
20
0
NØV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP ØCT NØV

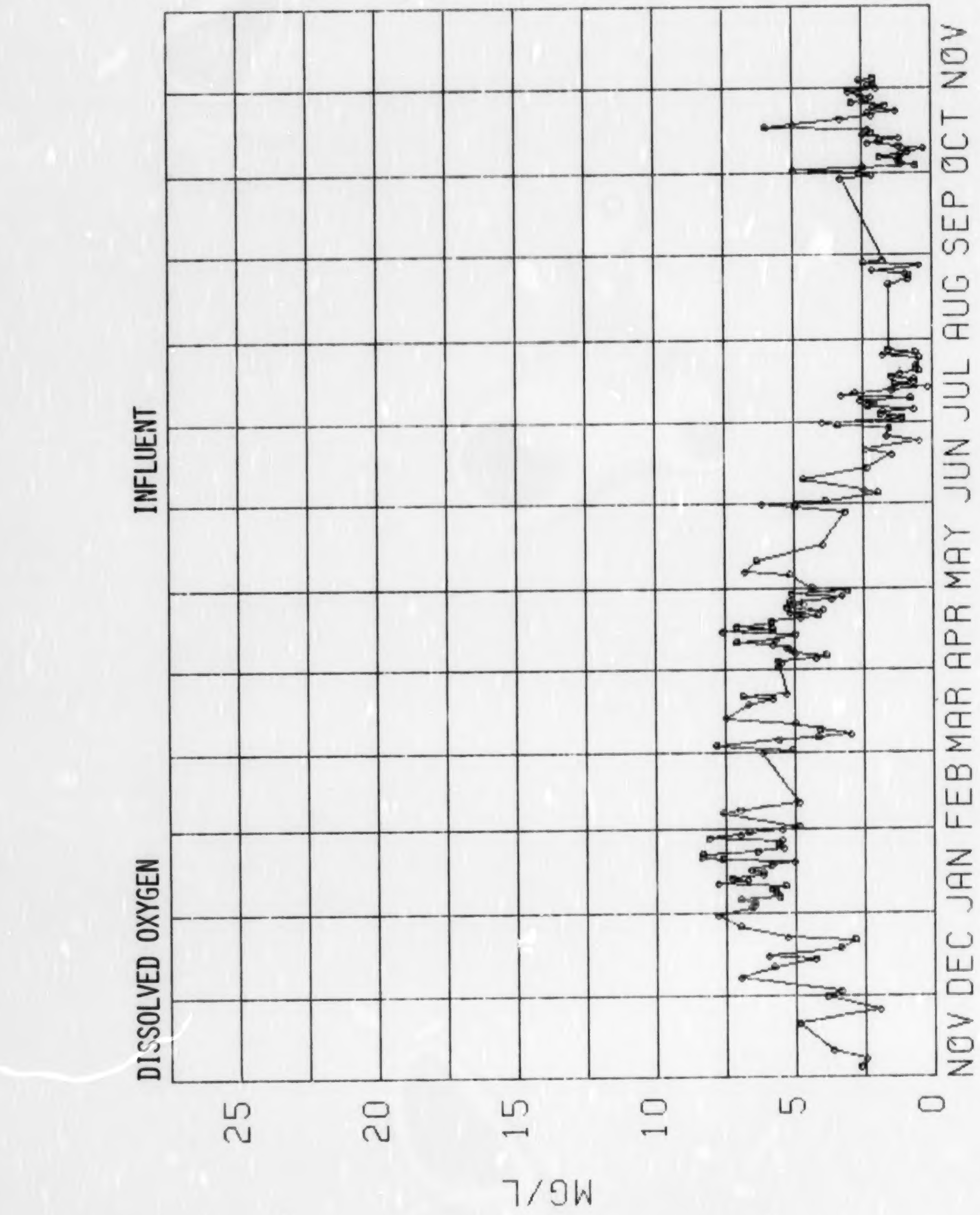

SUSPENDED SOLIDS
POND 3
MG/L
0
20
40
60
80
100
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

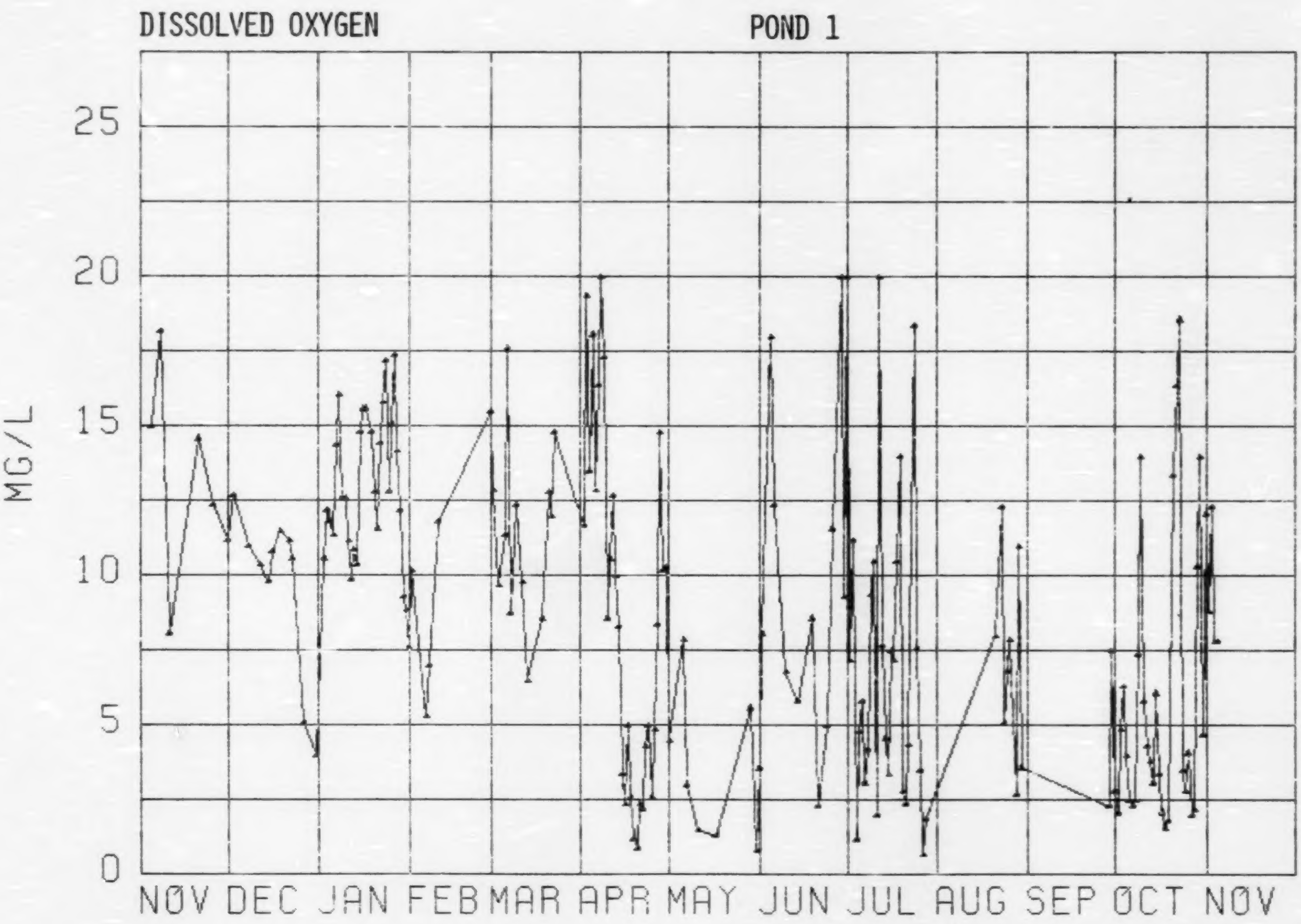

FECAL COLIFORM
INFLUENT
MPN/100ML
10^9
10^8
10^7
10^6
10^5
10^4
10^3
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

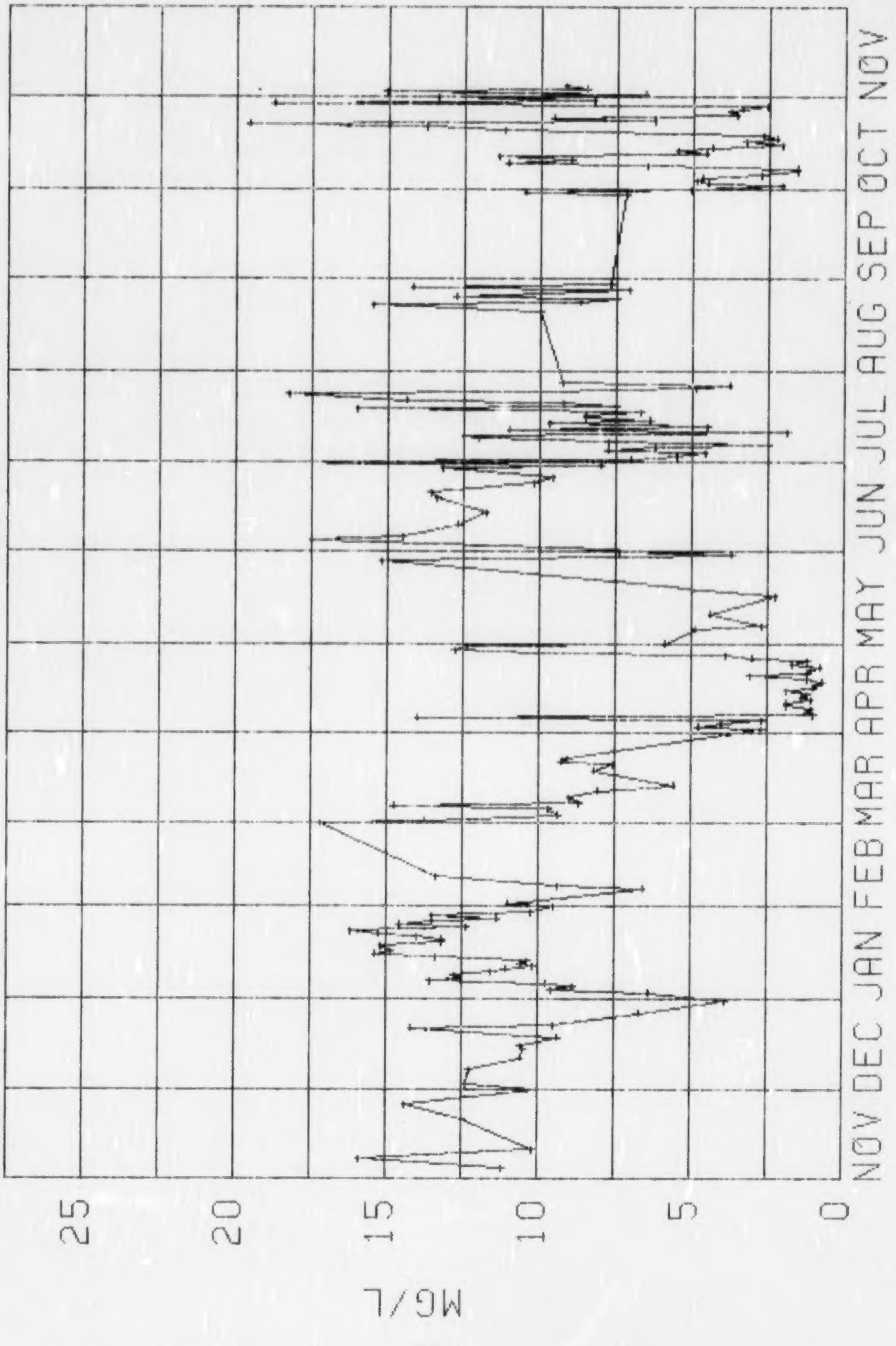

FECAL COLIFORM
POND 1
MPN/100ML
10^9
10^8
10^7
10^6
10^5
10^4
10^3
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV


FECAL COLIFORM
POND 2
MPN/100ML
10^9
10^8
10^7
10^6
10^5
10^4
10^3
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV


FECAL COLIFORM
POND 3
MPN 100ML
10^9
10^8
10^7
10^6
10^5
10^4
10^3
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

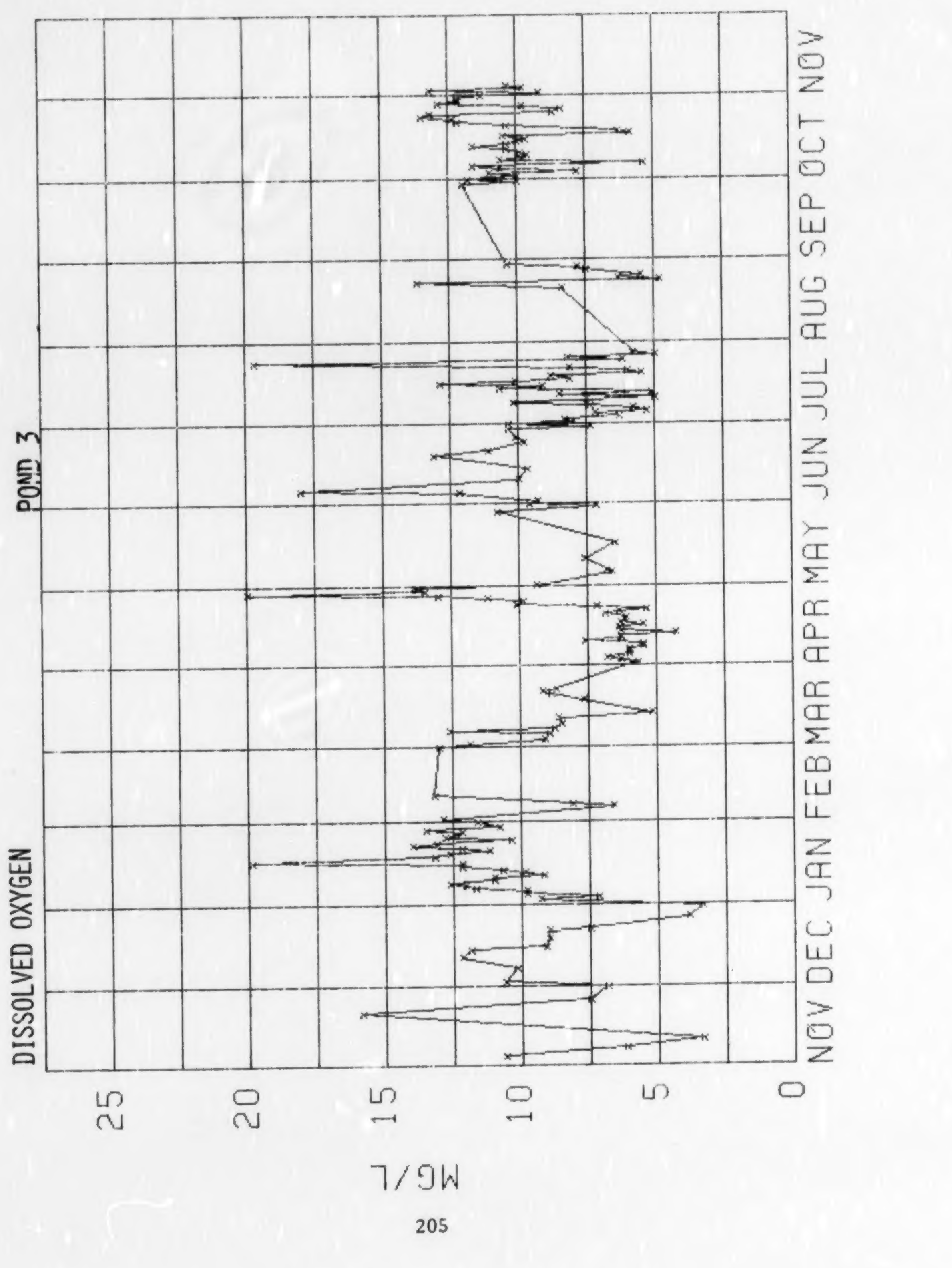

DISSOLVED OXYGEN
INFLUENT
MG/L
25
20
15
10
5
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

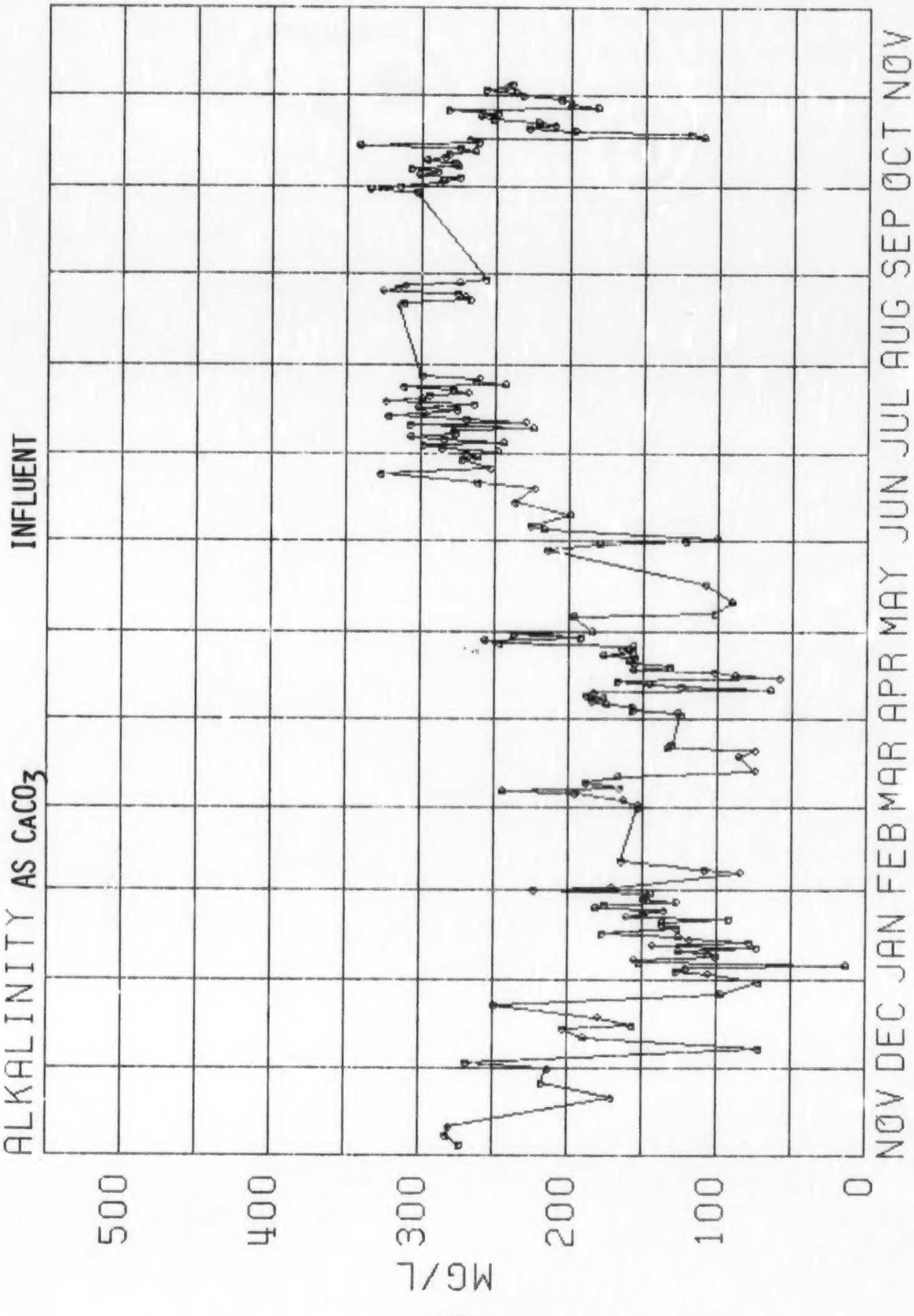

DISSOLVED OXYGEN
POND 1
MG/L
0
5
10
15
20
25
NØV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
ØCT
NØV

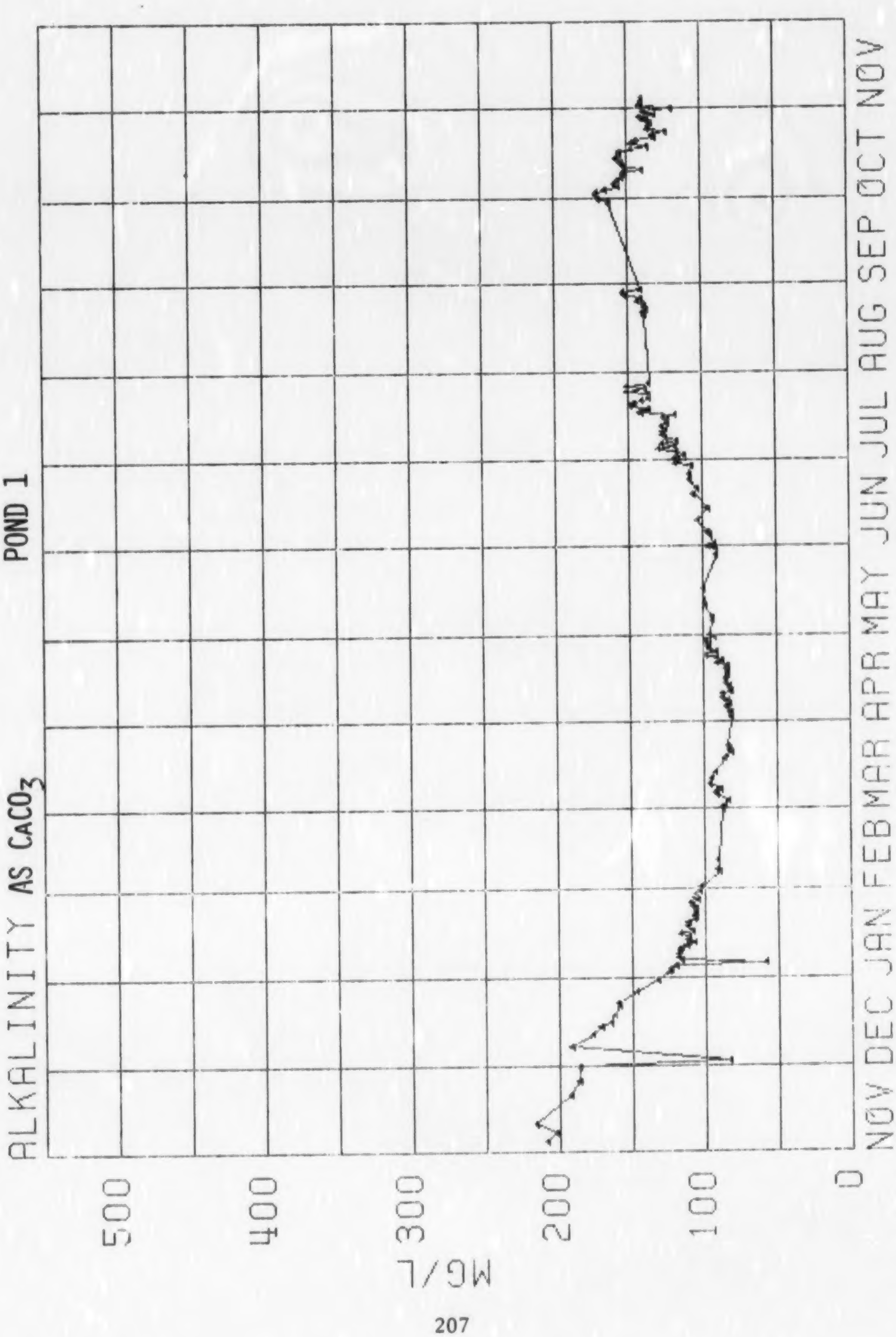


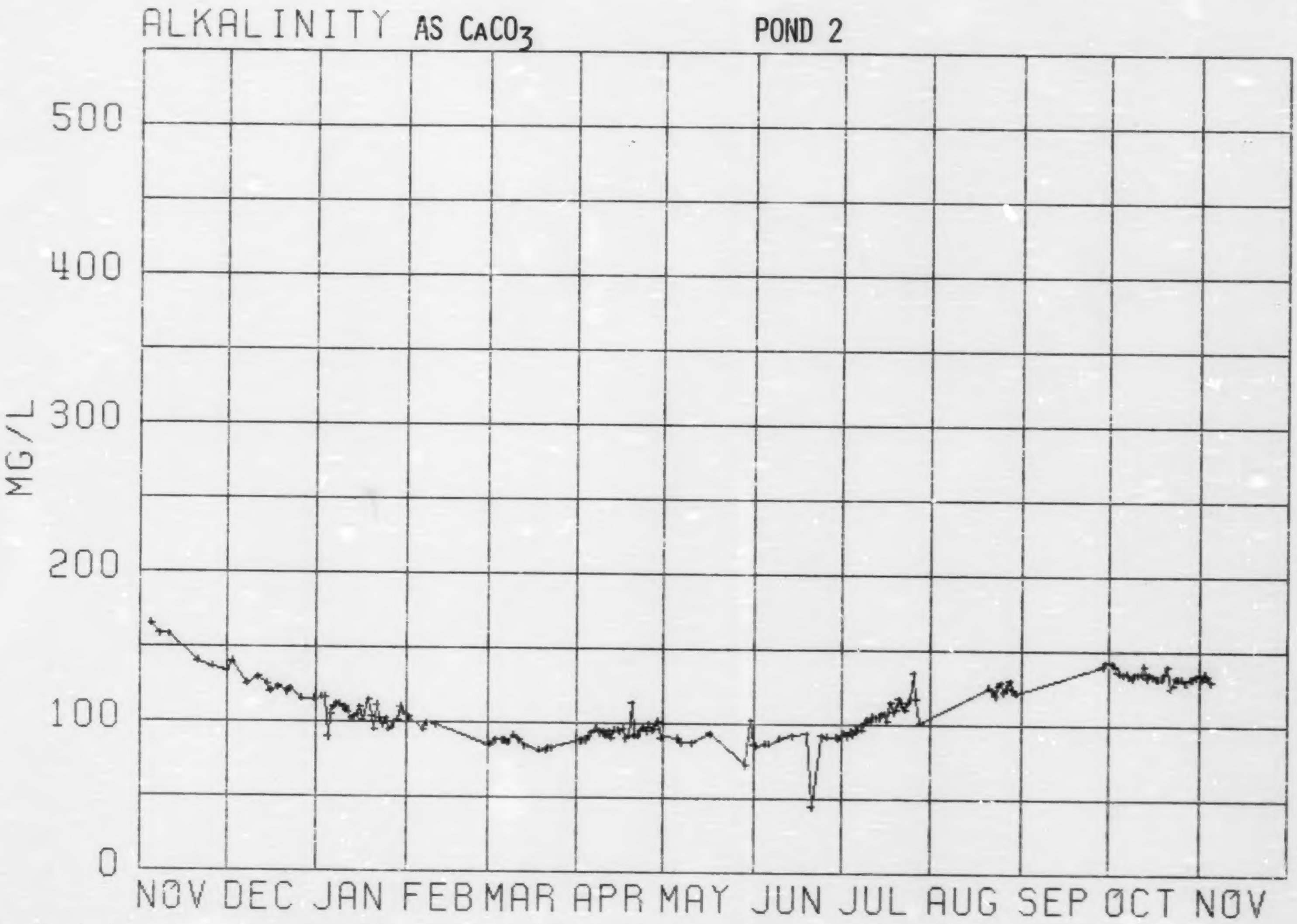
DISSOLVED OXYGEN

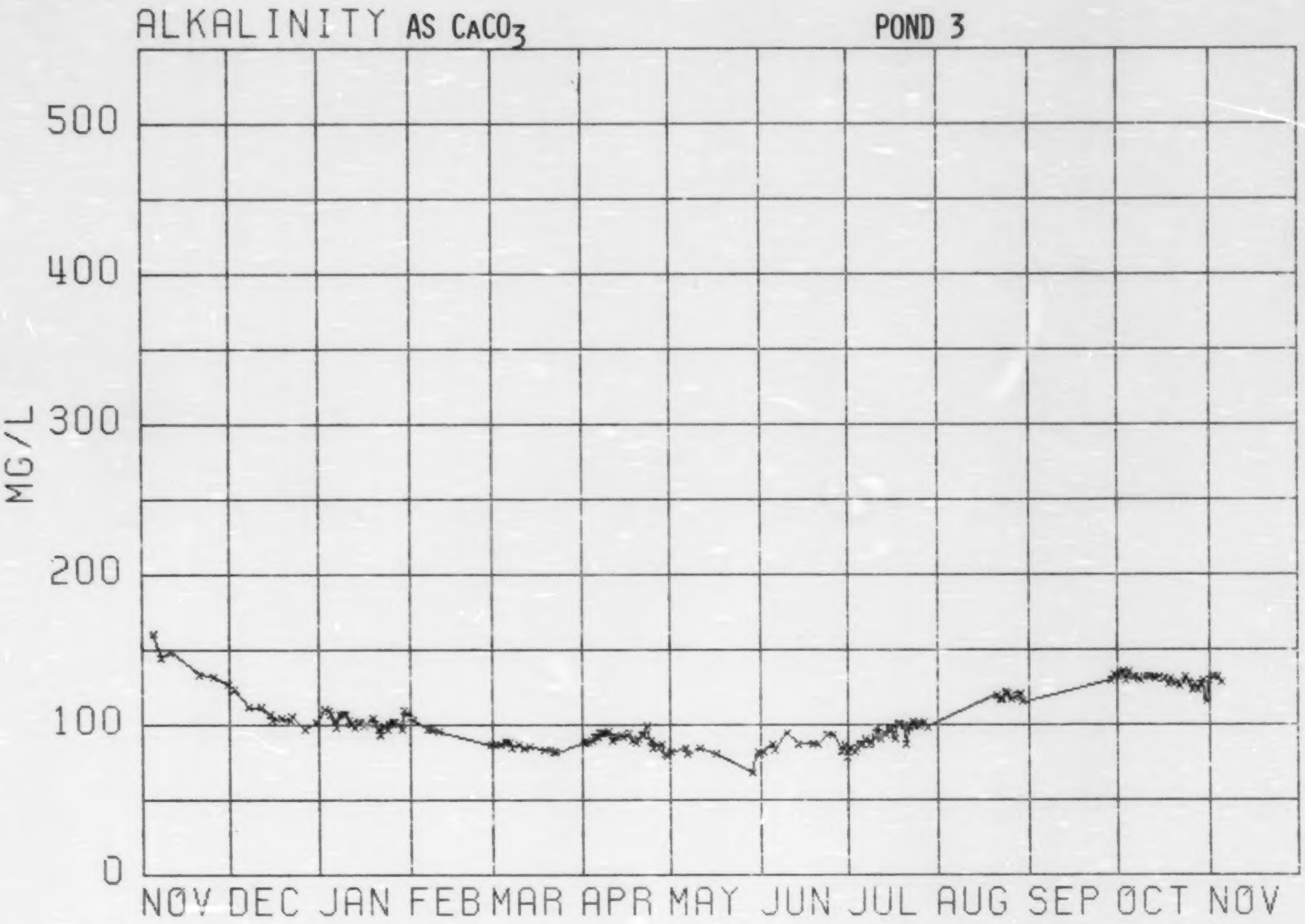
POND 2

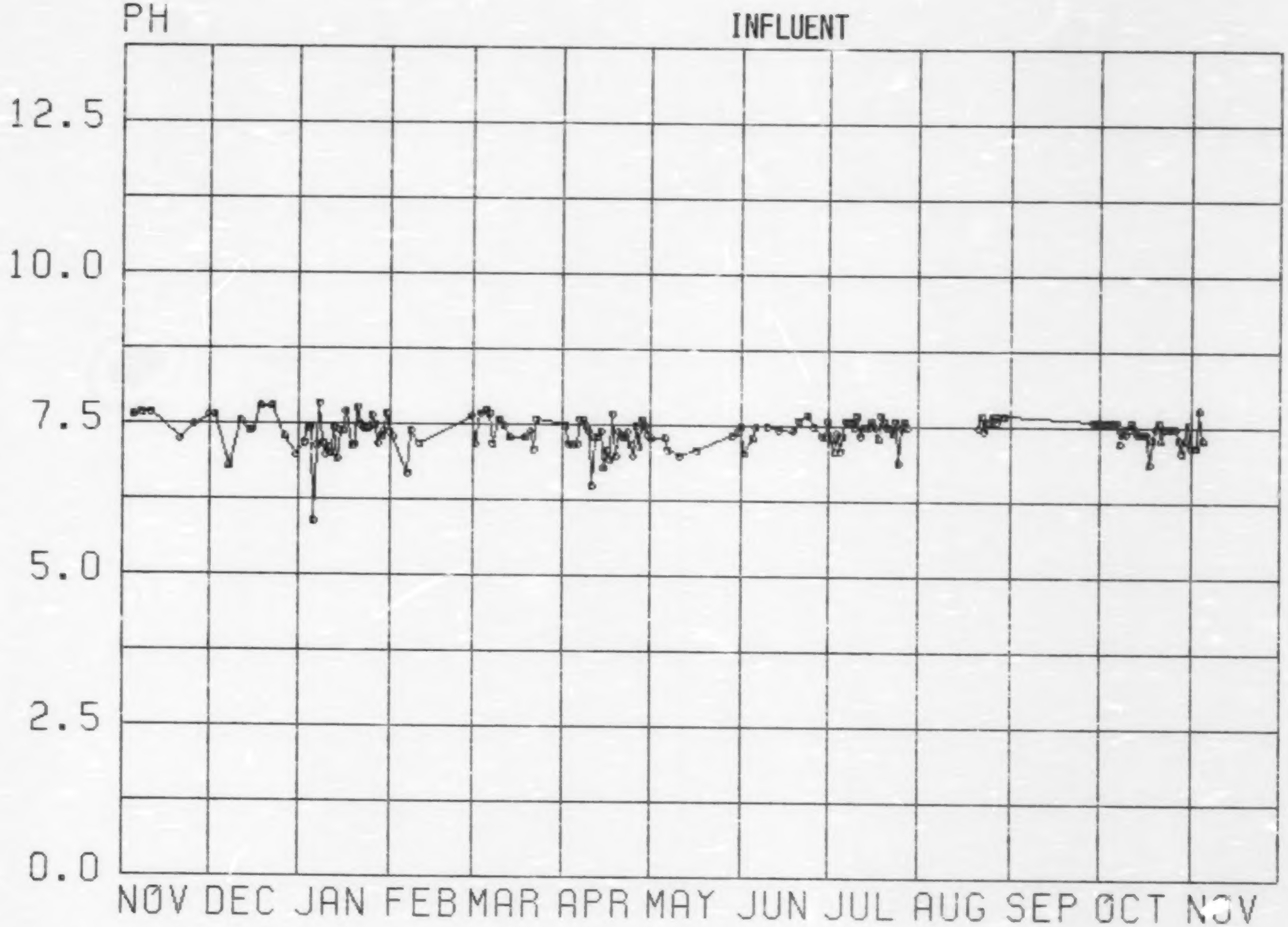

DISSOLVED OXYGEN
POND 3
MG/L
0
5
10
15
20
25
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

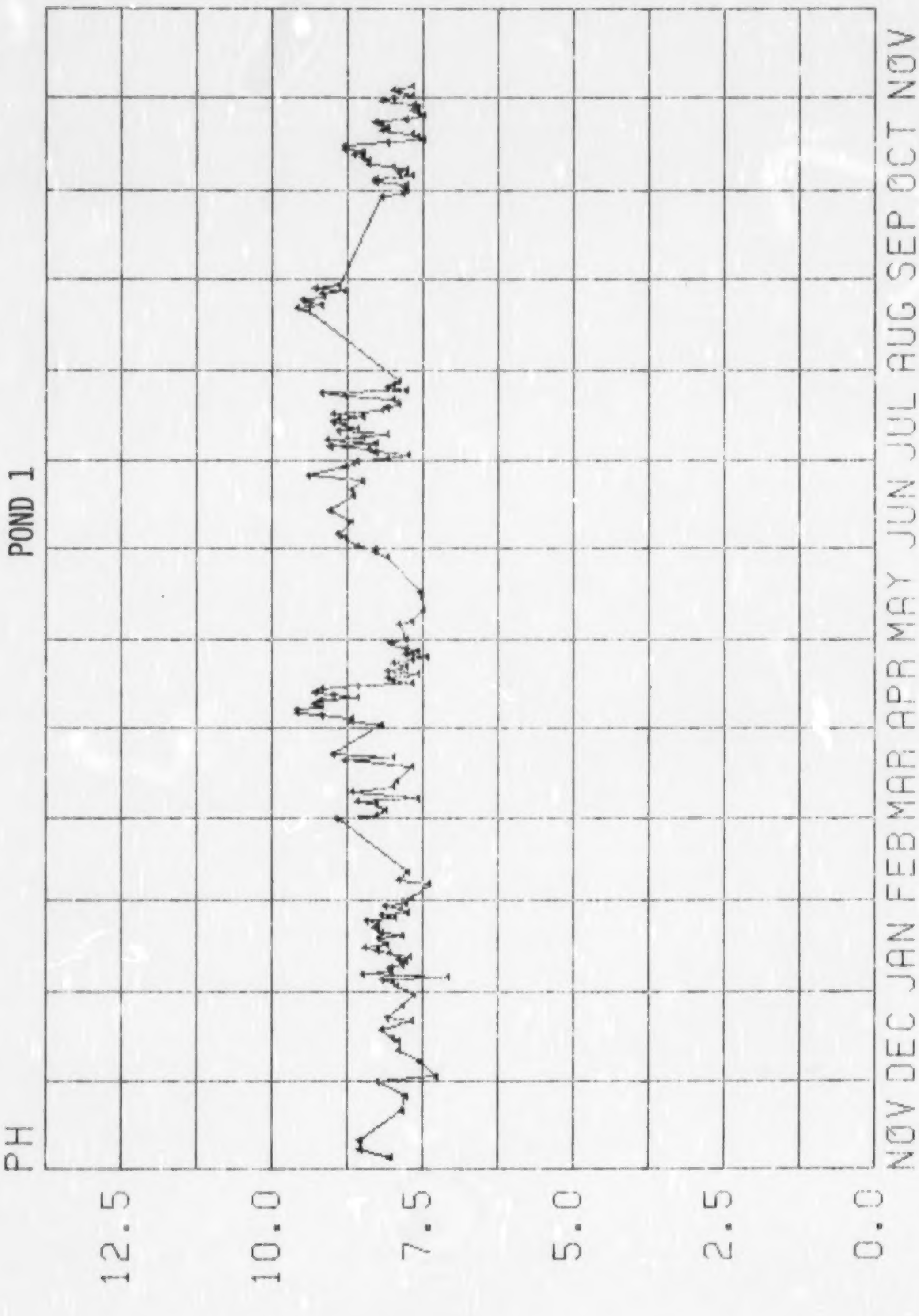

ALKALINITY AS $CaCO_3$
INFLUENT
MG/L
500
400
300
200
100
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

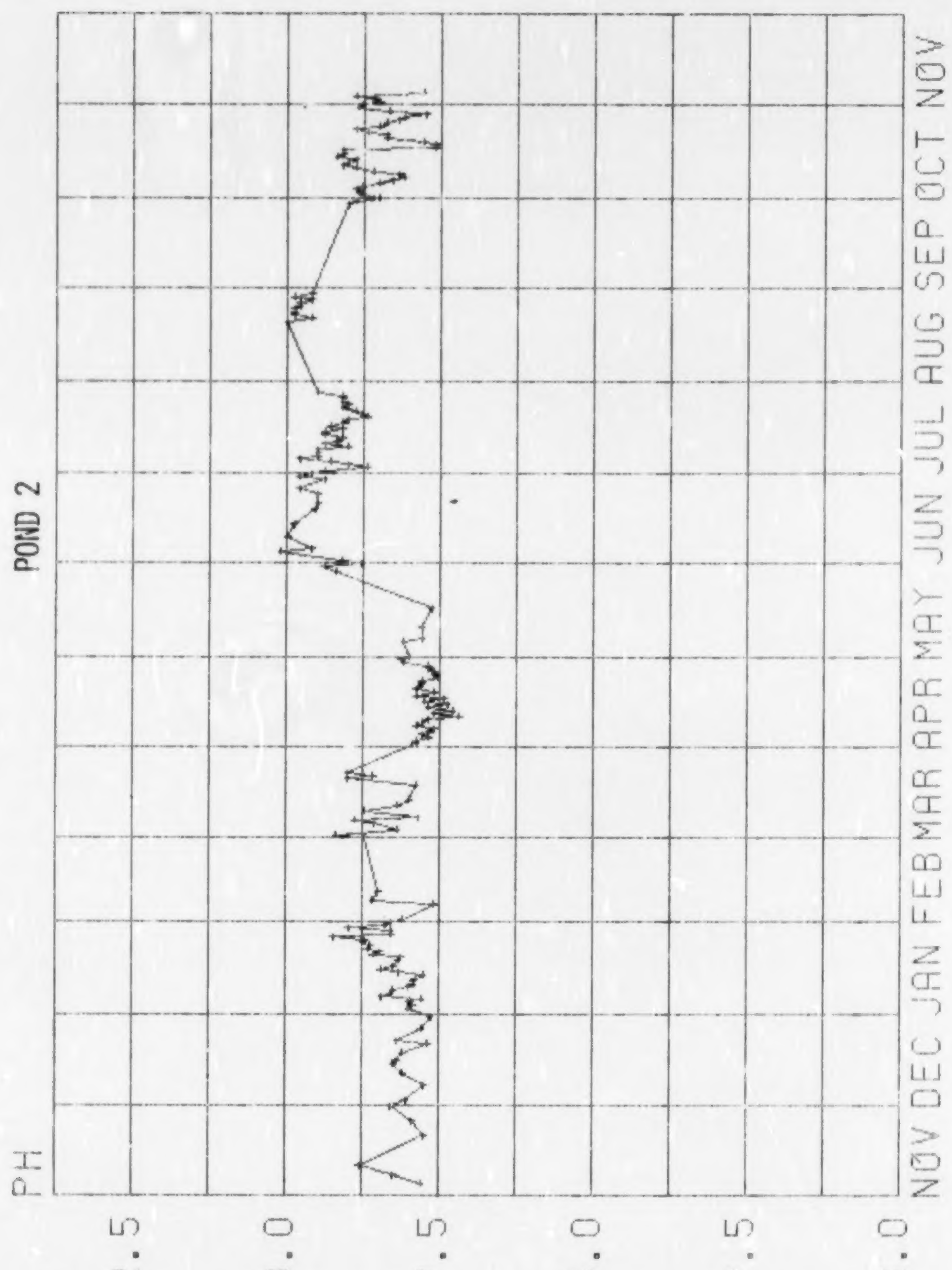

ALKALINITY AS $CaCO_3$
POND 1
MG/L
500
400
300
200
100
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

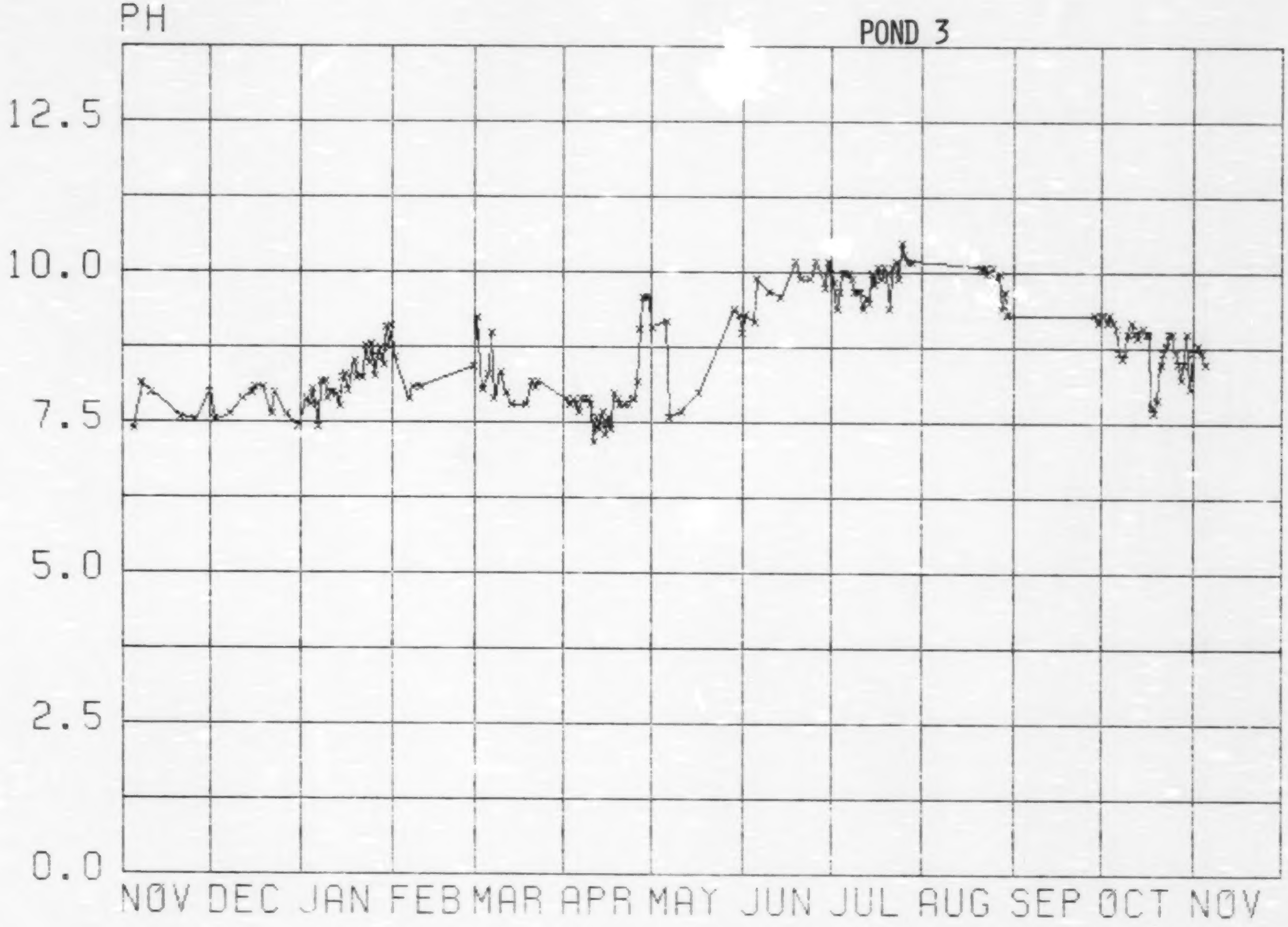

ALKALINITY AS $CaCO_3$
POND 2
MG/L
500
400
300
200
100
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

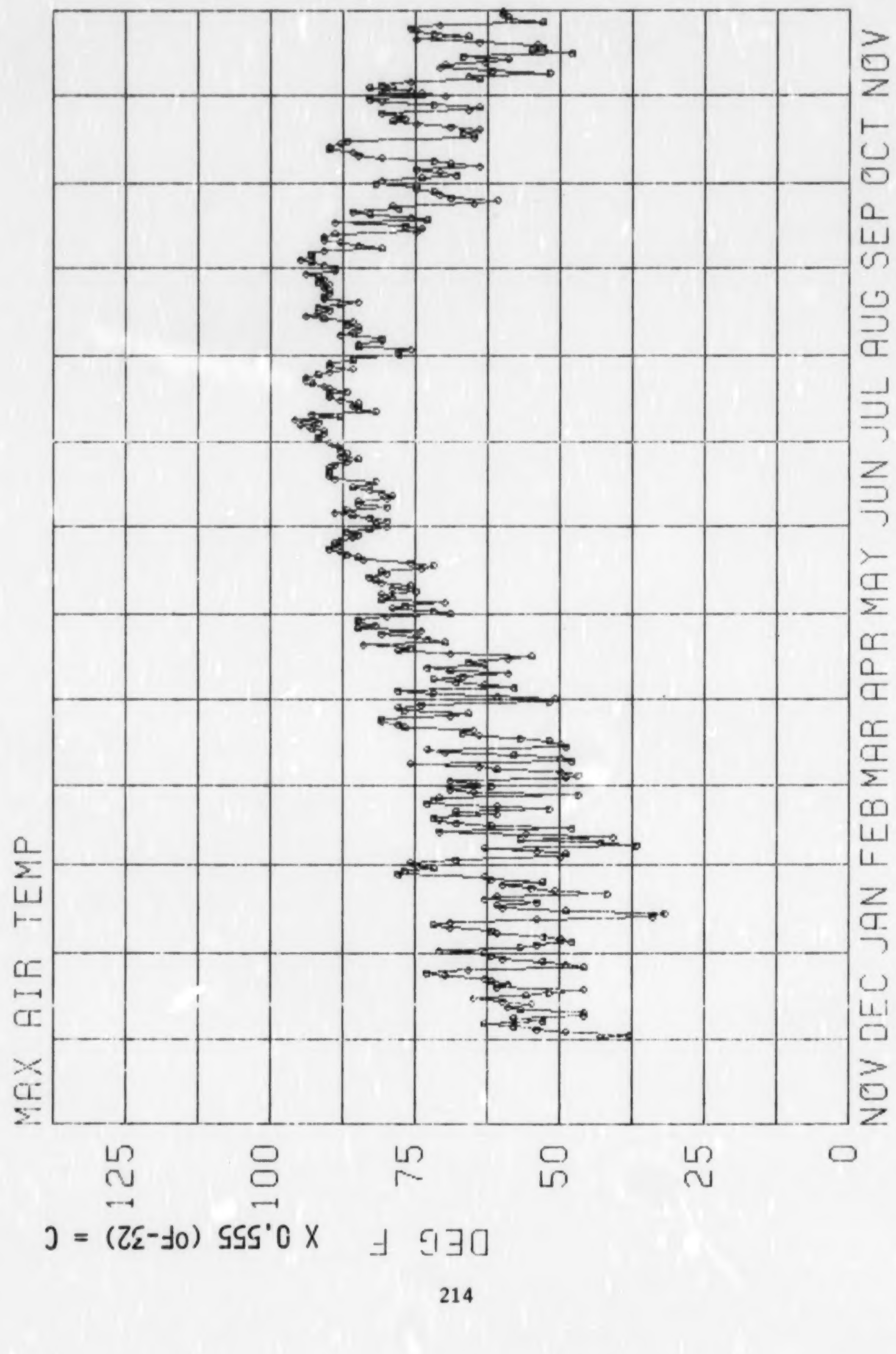

ALKALINITY AS $CaCO_3$
POND 3
MG/L
500
400
300
200
100
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

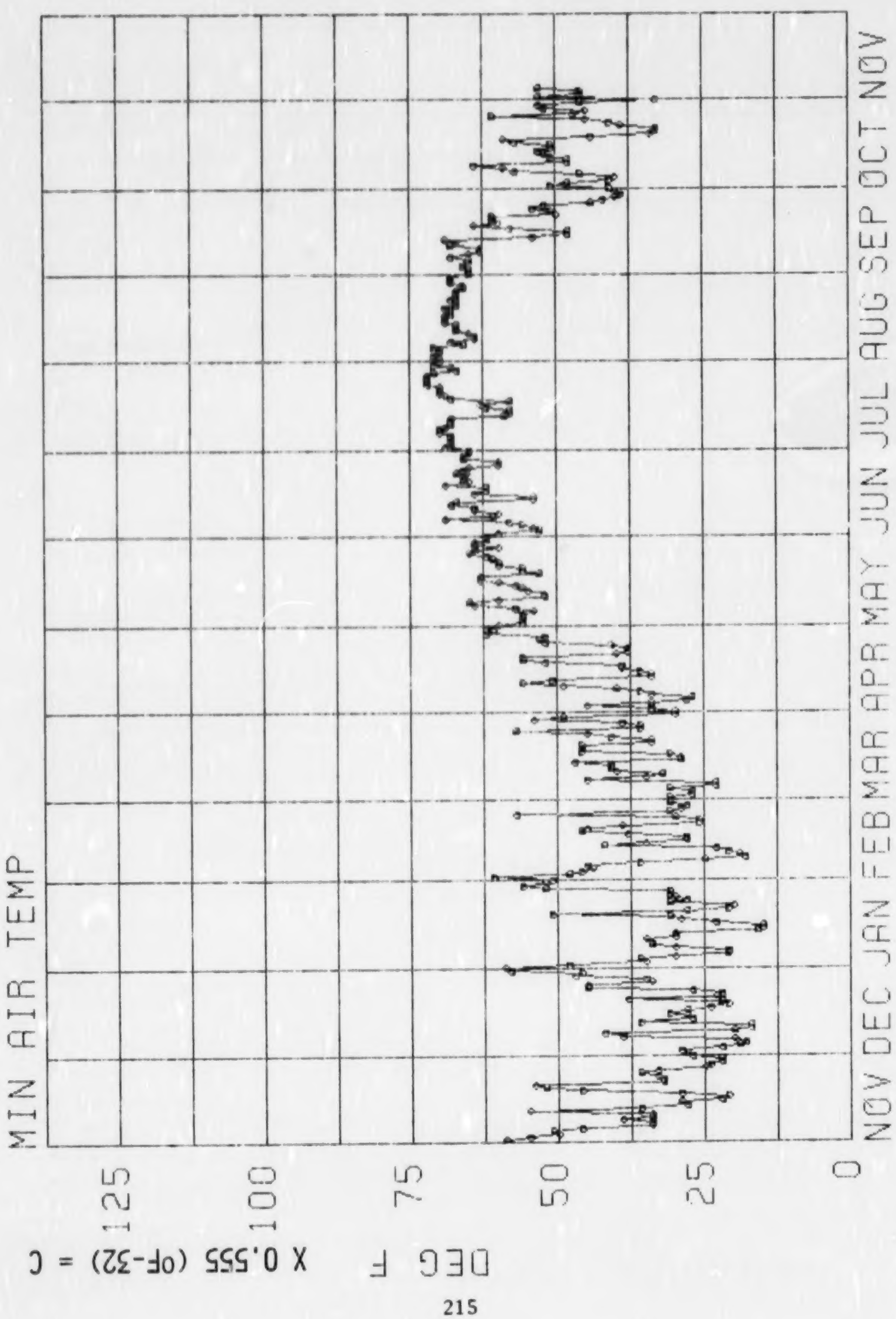

PH
INFLUENT
12.5
10.0
7.5
5.0
2.5
0.0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

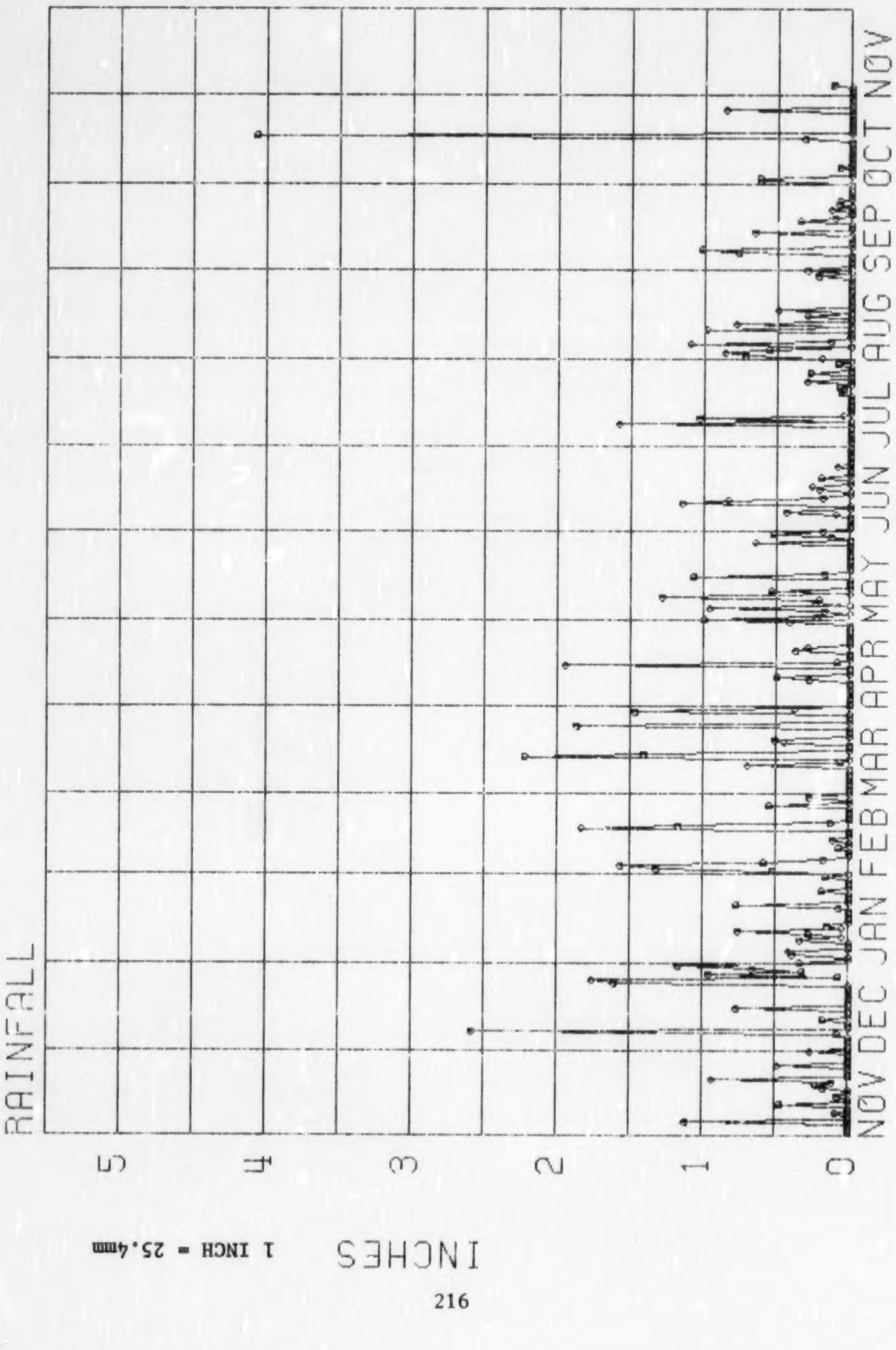

POND 1
PH
12.5
10.0
7.5
5.0
2.5
0.0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV


POND 2
PH
12.5
10.0
7.5
5.0
2.5
0.0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

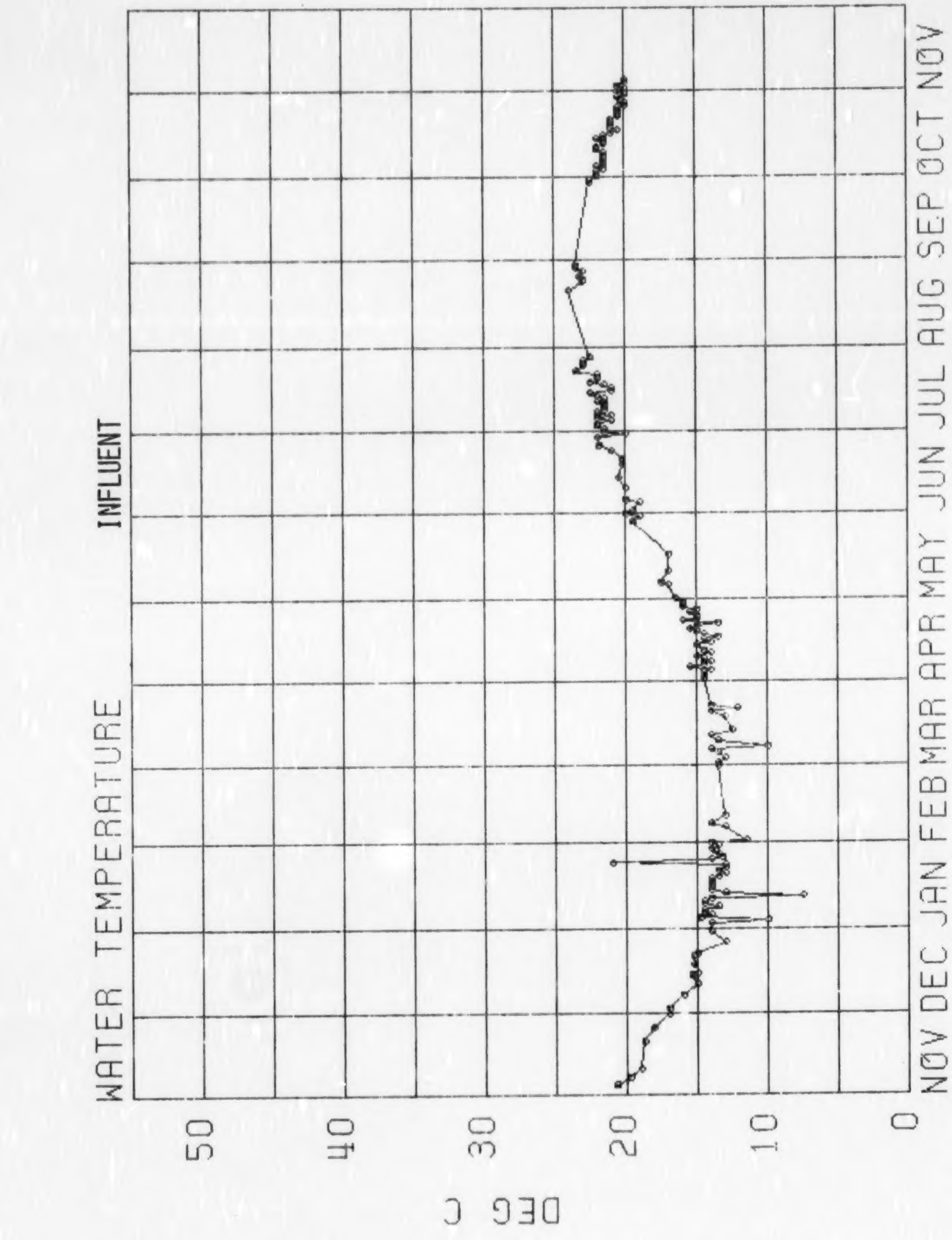

PH
POND 3
12.5
10.0
7.5
5.0
2.5
0.0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

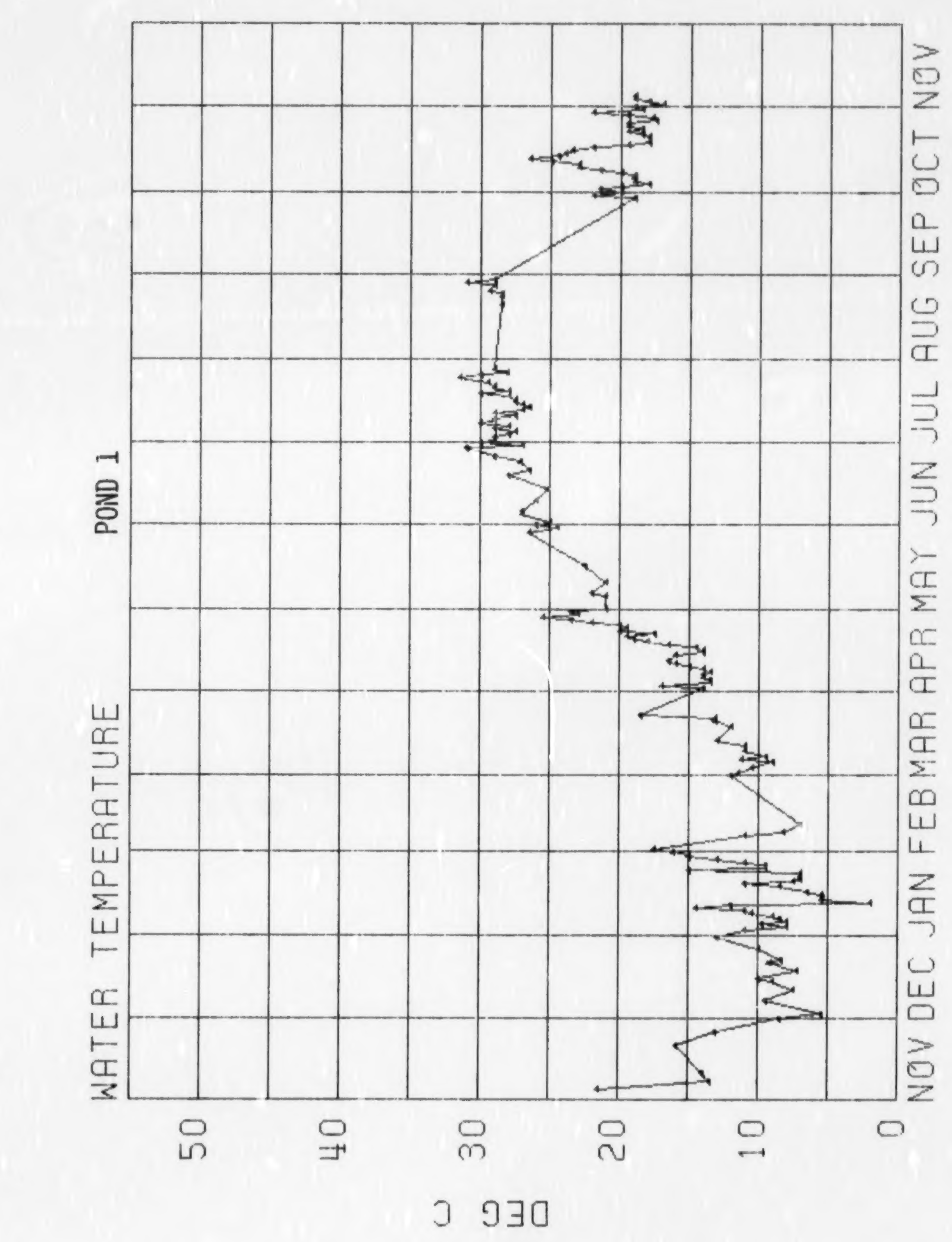

MAX AIR TEMP
DEG F
X 0.555 (oF-32) = C
125
100
75
50
25
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

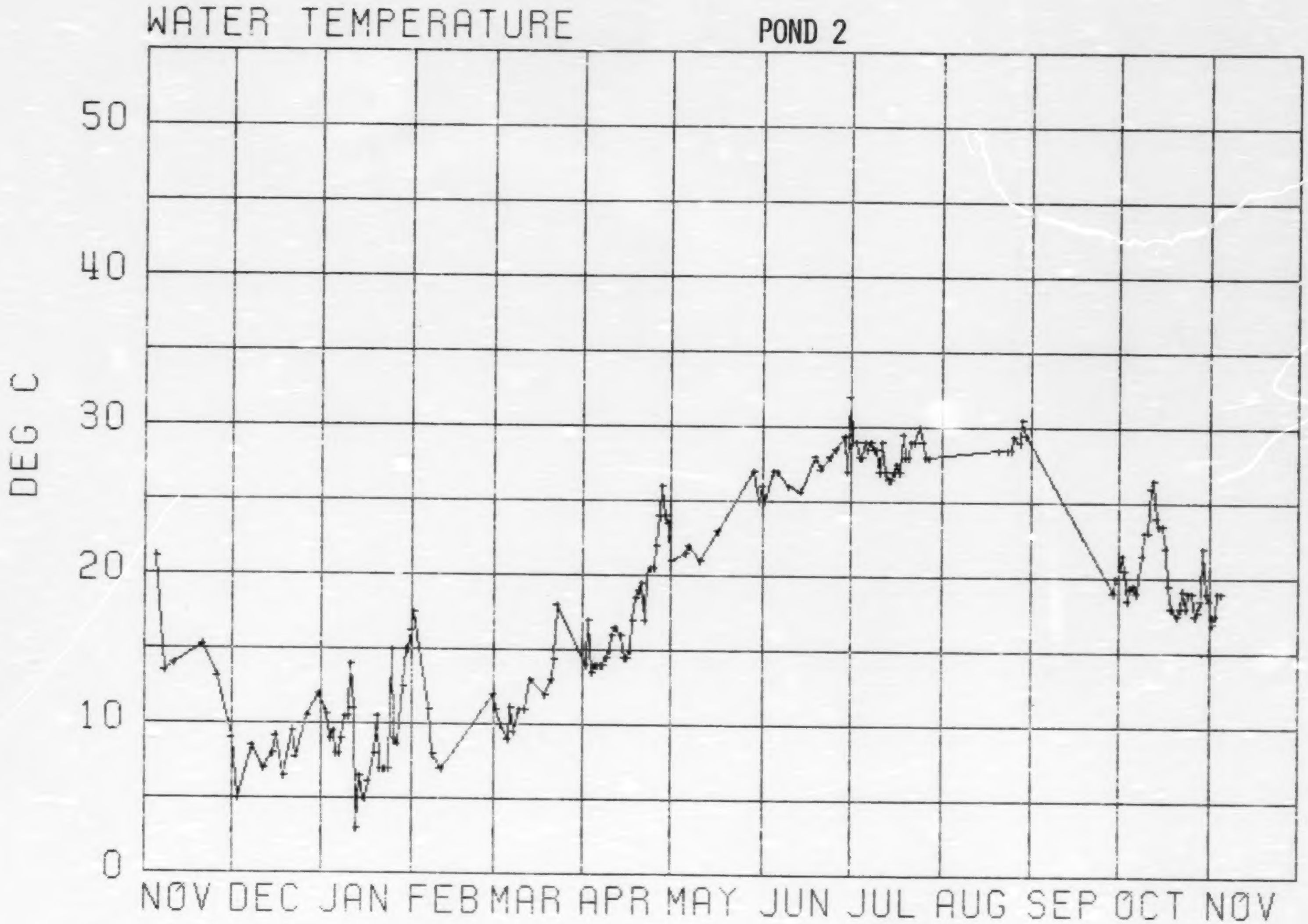

MIN AIR TEMP
DEG F X 0.555 (oF-32) = C
125
100
75
50
25
0
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

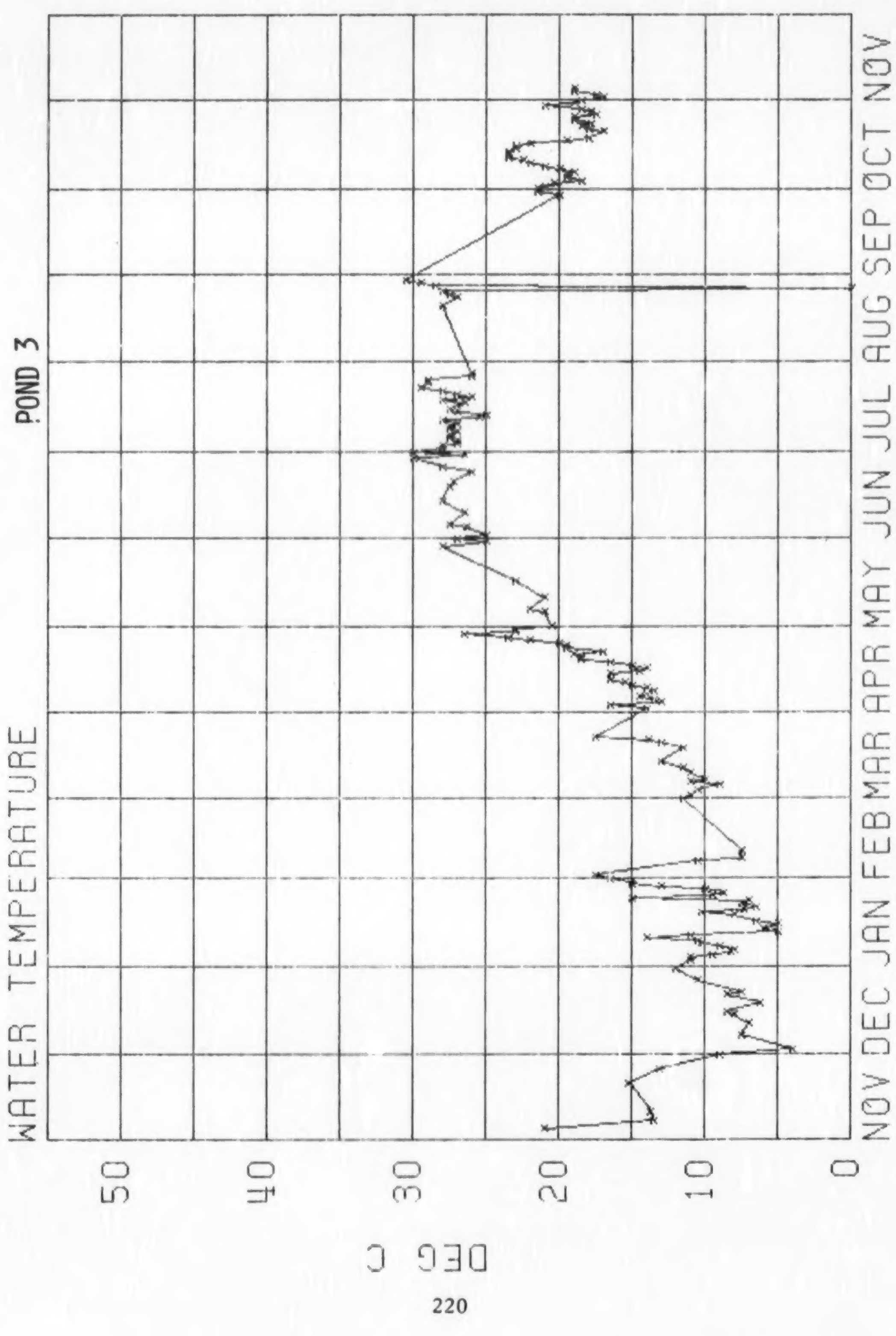

RAINFALL
INCHES
0
1
2
3
4
5
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV

1 INCH = 25.4mm


WATER TEMPERATURE
INFLUENT
DEG C
50
40
30
20
10
0
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV


WATER TEMPERATURE
POND 1
DEG C
0
10
20
30
40
50
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV


WATER TEMPERATURE
POND 2
DEG C
0
10
20
30
40
50
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV


WATER TEMPERATURE
POND 3
DEG C
0
10
20
30
40
50
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV